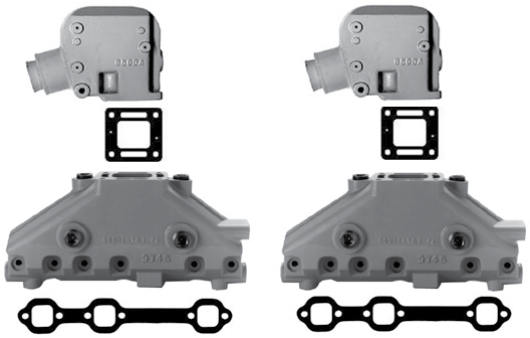
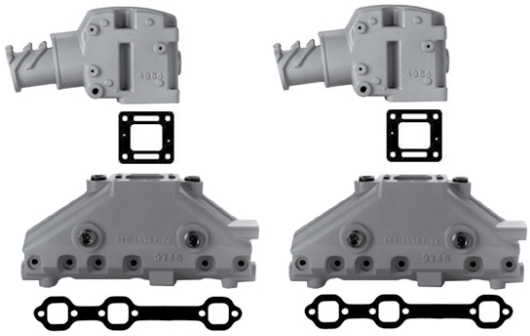
MARINE MANIFOLD PACKAGES

MERCRUISER COMPLETE PACKAGES

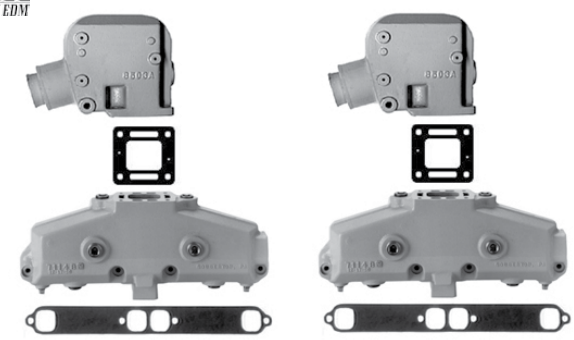
We stock a variety of Complete Manifold Packages to fit most engine applications,
Each kit contains two manifolds, two risers, plus all gaskets & hardware needed!



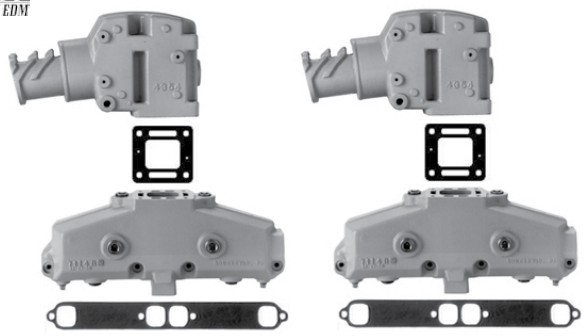
Part#
BAR-MER43003
Description:
Mercruiser V6 4.3L Exhaust package complete with 3", 15° outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets



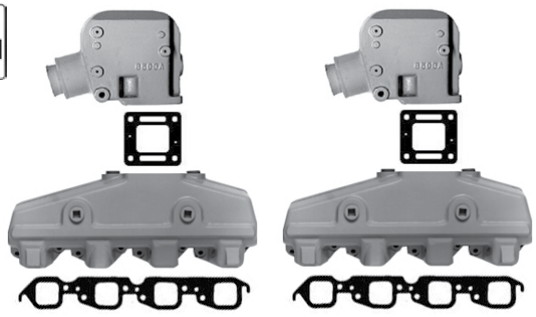
Part#
BAR-MER43004
Description:
Mercruiser V6 4.3L Exhaust package complete with 4", 7° outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets



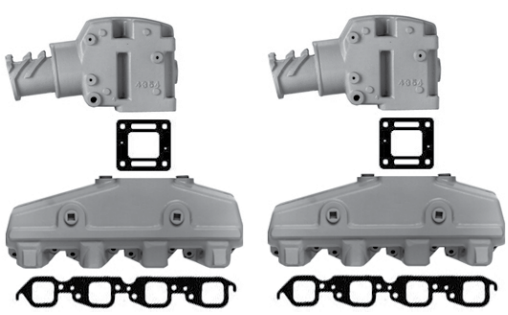
Part#
BAR-MER57003
Description:
Mercruiser V8 305/350 Small Block Exhaust package complete with 3", 15° outlet Center Risers, Manifolds, Raw Water Cooled Riser Gaskets, & manifold to head gaskets



Part#
BAR-MER57004
Description:
Mercruiser V8 305/350 Small Block Exhaust package complete with 4", 7° outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets



Part#
OSC-MERC74003
Description:
Mercruiser V8 454-502 Big Block Exhaust package complete with 3", 15° outlet Center Risers, Manifolds, Raw Water Cooled Riser Gaskets, & manifold to head gaskets



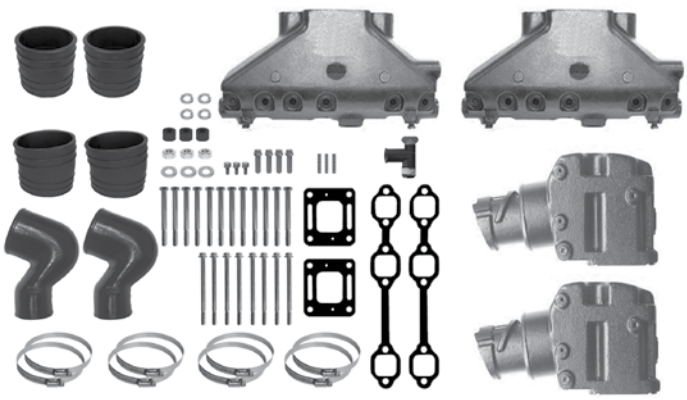
Part#
OSC-MER74004
Description:
Mercruiser V8 454-502 Big Block Exhaust package complete with 4", 7° outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets

MARINE MANIFOLD PACKAGES

MERCRUISER, OMC, & VOLVO COMPLETE PACKAGES

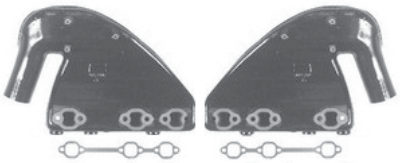
BARR / MERCUISER V-6 GM (CHEVY) 4.3-Liter CONVERSION KIT

(FROM “1” PIECE MANIFOLD TO “2” PIECE CENTER RISER & MANIFOLDS)

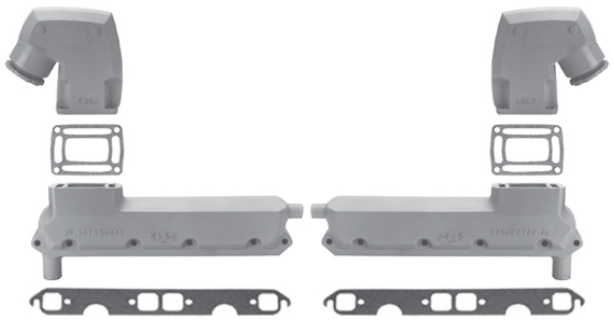


Part#
BAR58992
Description:
Mercruiser V-6, 4.3-Liter GM (CHEVY) 262 cid (1996 - 2000) with raw water cooling. It is designed to convert all single piece Mercruiser exhaust manifolds to the center style exhaust manifold and risers on engines that have raw water cooling. This is a complete kit (as pictured). Domestic Made in USA by BARR Marine, 3-year limited warranty

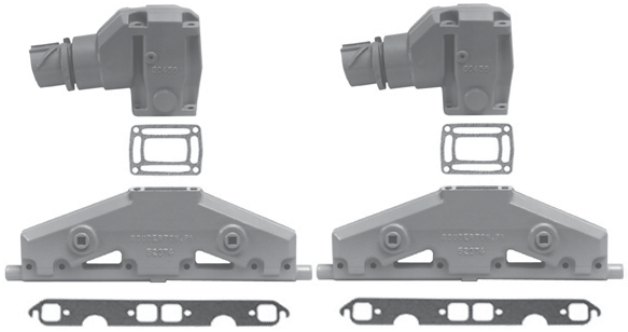
replaces this old style “one piece” riser & manifold



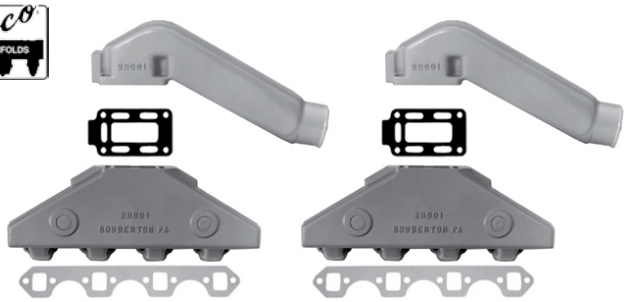
We stock a variety of Complete Manifold Packages to fit most engine applications,
Each kit contains two manifolds, two risers, plus all gaskets & hardware needed!



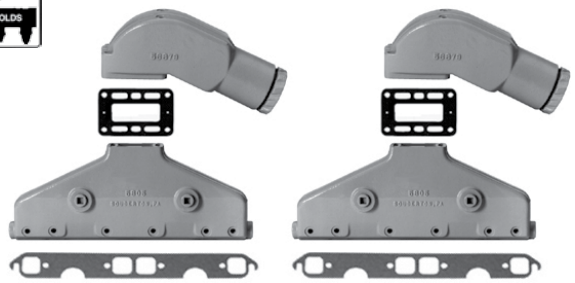
Part#
BAR-OMC57003
Description:
OMC V8 305/350 Small Block Exhaust Package complete with End Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets



Part#
BAR-OMVL5704
Description:
OMC/Volvo Exhaust Package complete with 4”outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets, 1990 to 1999 carbureted engines only



Part#
OSC-PCM58003
Description:
Pleasurecraft/PCM V8 302/351 Small Block FORD Exhaust Package complete with 3” outlet Long Style Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets



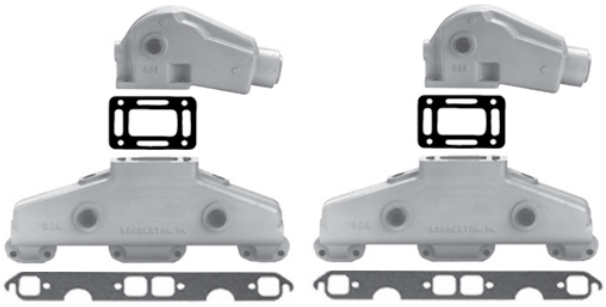
Part#
OSC-VOL57334
Description:
Volvo V8 305/350 Small Block Exhaust Package complete with Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets

MARINE MANIFOLD PACKAGES

MARINE POWER COMPLETE PACKAGES

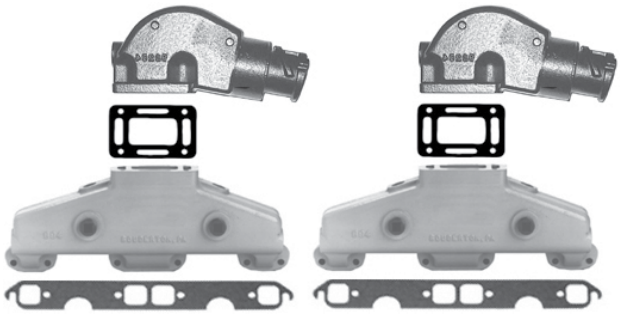
We stock a variety of Complete Manifold Packages to fit most engine applications,
Each kit contains two manifolds, two risers, plus all gaskets & hardware needed!

BARR MARINE BY EDM



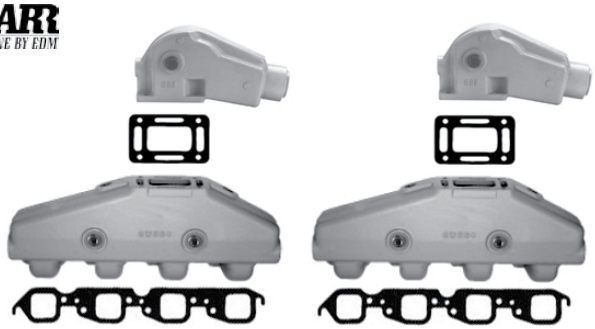
Part#
BARMP57003
Description:
Marine Power V8 305/350 Small Block Exhaust Package complete with 3” outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets

BARR MARINE BY EDM



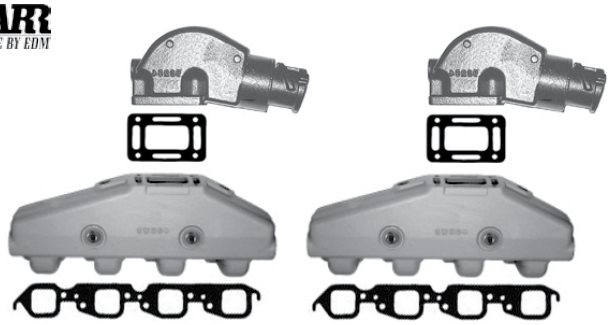
Part#
BAR-MP57004
Description:
Marine Power V8 305/350 Small Block Exhaust Package complete with 4” outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets

BARR MARINE BY EDM



Part#
BAR-MP74003
Description:
Marine Power V8 454/502 Big Block Exhaust Package complete with 3” outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets

BARR MARINE BY EDM



Part#
BAR-MP74004
Description:
Marine Power V8 454/502 Big Block Exhaust Package complete with 4” outlet Center Risers, Manifolds, Raw Water Cooled Riser gaskets, & manifold to head gaskets

SALT-AWAY®
Corrosion Control
SALT REMOVING TREATMENT

- Water-based, non-hazardous, non-toxic, & biodegradable
- Keeps metals from rusting & corroding with high-performing inhibitors
- Removes fresh salt & penetrates salt build up, immediate results
- Will not strip wax, leave spots or streaks, No rework or detailing surfaces

Without Salt-Away after 1 year

With Salt-Away after 1 year

- **SAWM** - Mixing unit
- **SAW16** - 16 Ounce spray bottle “Ready to use”
- **SAW32** - 32 Ounce concentrate bottle
- **SAW32M** - 32 Ounce concentrate & Mixing unit combo
- **SAW128** - 128 Ounce concentrate bottle

*55 GALLON DRUMS AVAILABLE UPON REQUEST

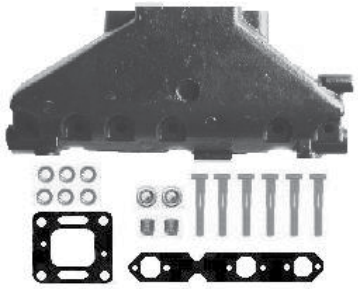
MARINE MANIFOLDS & RISERS

MERCRUISER CENTER STYLE MANIFOLDS

Mercruiser V6 262 cu. in. models 185R, 185MR, 205R, & 205MR

BARR MARINE BY EDM

*includes mounting kit

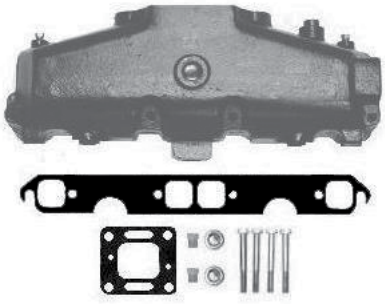


Part#	Description:
MC-1-99746	Direct replacement exhaust manifold, Port & / or Starboard

Mercruiser V8 models 898R, 228R, 260R 5.0 / 5.7L

BARR MARINE BY EDM

*includes mounting kit



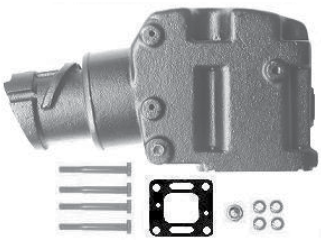
Part#	Description:
MC-1-87114	Direct replacement exhaust manifold, Port & / or Starboard

Mercruiser V8 models 330, 340, & 454 magnum inboards & stern drive units, big block chevy

Osco MANIFOLDS

*DOES NOT include mounting kit

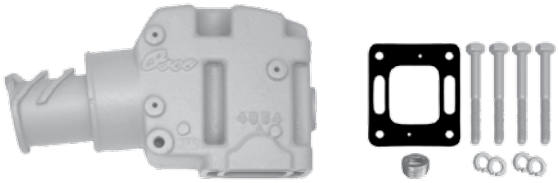
Part#	Description:
OSC9011A	Direct replacement exhaust manifold, Port & / or Starboard
OSC9011A-MK	Gasket & bolt mounting kit



BARR MARINE BY EDM

Part#	Description:
MC-20-44354	Magnum 4" riser 7º, direct replacement for Mercruiser #44354A3 & 807988Q03, supplied with standard mounting bolts & RWC gasket

Osco MANIFOLDS

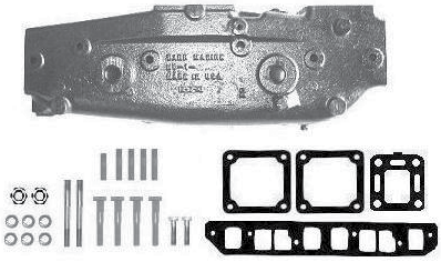


Part#	Description:
OSC4354	Riser only, Magnum 4" riser 7º, direct replacement for Mercruiser #44354A3 & 807988Q03
OSC4354-MK	Gasket & bolt mounting kit

Mercruiser 4 cylinder models 120R & 140R, 153 cu. in. 120Hp 2.5L & 181 cu. in. 140hp 3.0L

BARR MARINE BY EDM

*includes mounting kit

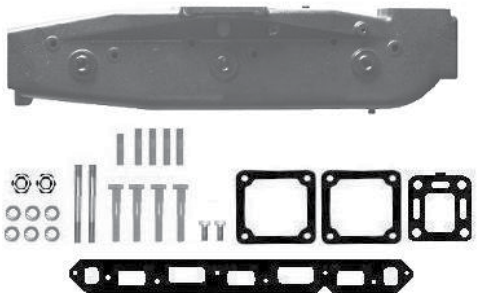


Part#	Description:
MC-1-95862	Direct replacement water cooled manifold, Rochester 3-1/4" x 1-7/8" bolt pattern, 6 bolt mounting, replaces Mercruiser 95862A9, no choke stove
MC-1-96705	Direct replacement water cooled manifold, Rochester 3-1/4" x 1-7/8" bolt pattern, 6 bolt mounting, replaces Mercruiser 96705A1 w/ choke stove
MC-1-99798	Direct replacement water cooled manifold, Merc Carb 3-11/16" x 2" bolt pattern, 6 bolt mounting, replaces Mercruiser 99798A9

Mercruiser 6 cylinder models 165 & 200

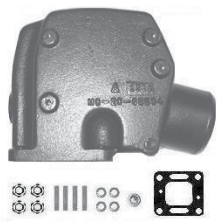
BARR MARINE BY EDM

*includes mounting kit



Part#	Description:
MC-1-58759	Replaces original Mercruiser manifold #58759, it will accept original linkage, endplates, carb adapter, riser & fittings

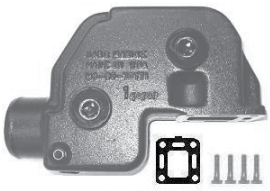
Part#
MC-20-55538
Description:
Direct replacement Riser, 4 Cyl. engines & IL6 engines only



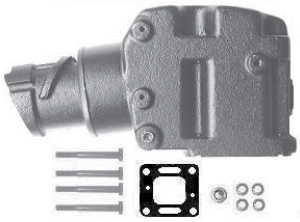
Part#
MC-20-98504
Description:
Direct replacement 3” 15° Riser, Replaces Mercruiser #98504A3

Part#
MC-20-76351
Description:
Direct replacement, Replaces Mercruiser B-60426A1, & B-76351A1, square bolt pattern

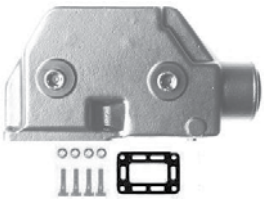
Part#
MC-20-76668
Description:
Direct replacement, Replaces Mercruiser B-72964A1, & B-47877A4, stern drive, rectangular bolt pattern



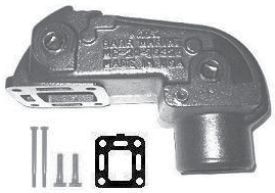
Part#
MC-20-76771
Description:
Direct replacement Inboard Riser, Replaces Mercruiser B-72963A1 & B-76771A3 square bolt pattern



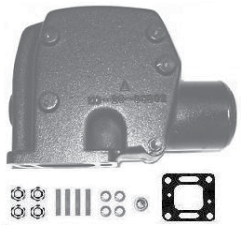
Part#
MC-20-44354
Description:
Magnum 4” riser 7º, direct replacement for Mercruiser #44354A3 & 807988Q03



Part#
MC-20-72963
Description:
Direct replacement Inboard Riser, Replaces Mercruiser B-72963A1, rectangular bolt pattern



Part#
MC-20-76325
Description:
Direct replacement, Replaces Mercruiser B-76325A2, 4 Cyl., 120/140, 2.5/3.0L & MC470



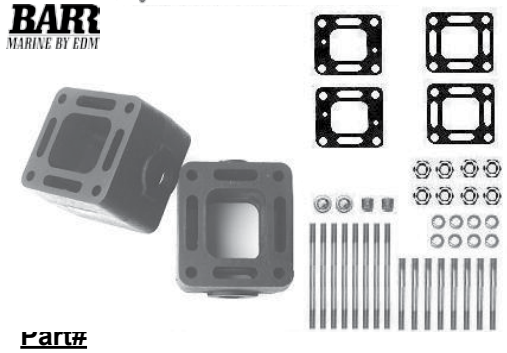
Part#
MC-20-98502
Description:
Direct replacement 3” Inboard 0° Riser, Replaces Mercruiser #98502A2 center type riser

Part#
OSC2076
Description:
Direct replacement, Replaces Mercruiser #12076A1, for 2.5 / 3.0L engines

Part#
OSC2076A2
Description:
Riser & Bellows kit, Must use kit when replacing off set adaptor, adaptor is no longer available

MARINE MANIFOLDS & RISERS

MERCRUISER CENTER STYLE GASKETS & SPACER BLOCKS

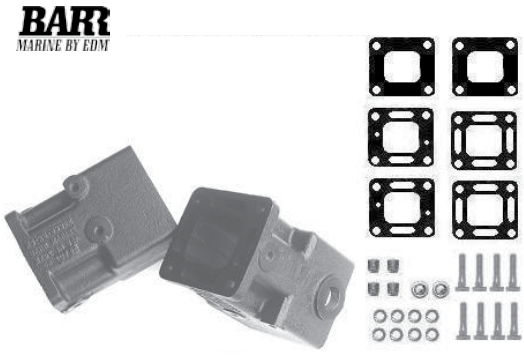


PAIR!, Includes all mounting hardware & gaskets

Part#
MC-20-93320A3
Description:
3"height, Fits Center Style manifolds #9011, #7114B, & #9745, Replaces Mercruiser #93320A3

MC-20-93320A3PKG MOUNTING KIT ONLY

* Applications with remote mounted oil filter bracket will require (2) additional 168M0022138 studs 10-9/16" long



PAIR!, Includes all mounting hardware & gaskets

Part#
MC-20-93322A3
Description:
6" height, Fits Center Style manifolds #9011, #7114B, & #9745, Replaces Mercruiser #93322A13

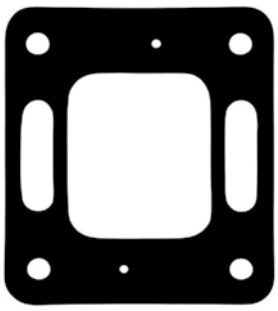
MC-20-93322A3PKG MOUNTING KIT ONLY

SINGLE!, Does not include mounting hardware or gaskets

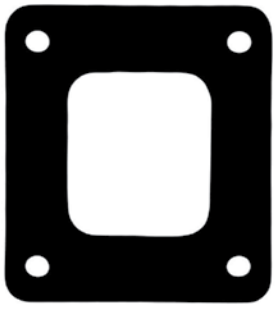
Part#
OSC3320
Description:
3" height, Fits Center Style manifolds #9011, #7114B, & #9745, Replaces Mercruiser #93320A3

SINGLE!, Does not include mounting hardware or gaskets

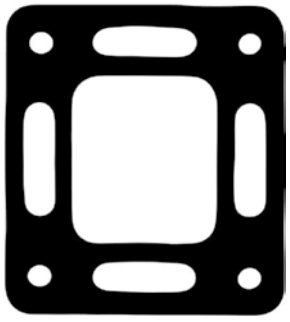
Part#
OSC3322
Description:
6" height, Fits Center Style manifolds #9011, #7114B, & #9745, Replaces Mercruiser #93322A13



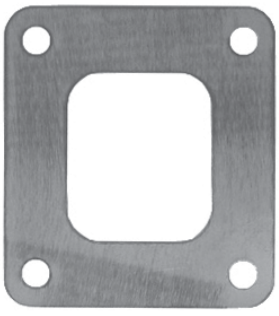
Part#
OSC8503-GR
Description:
Use with standard raw water cooling



Part#
OSC8503-GB
Description:
Use with standard fresh water cooling



Part#
OSC8503-GO
Description:
Use with riser extension blocks between manifold & extension



Part#
MC-20-87918
Description:
Stainless Steel Block Off plate

Part#
CHV-47-0000
Description:
Chevy small block 283, 305, 327, & 350 cu. in.

Part#
CHVA-47-0000
Description:
Chevy big block 454cu. in.

Part#
FM-47-0000
Description:
Ford 302 & 351cu. in.

Part#
OSCCS-GH
Description:
Mercruiser V6 262cu. in., model 185R, 185MR, 205R, & 205MR

Part#
MC-50-87238
Description:
Butteryfly nut, Drain

Part#
18-4226
Description:
Nylon drain plug

Part#
22862210A01
Description:
Stainless steel elbow w/ drain plug

Part#
18-4224
Description:
Nylon elbow w/ drain plug

* Requires bolts listed to the right!

Part#
814420A5
Description:
Remote mount oil bracket, use when converting from stainless steel risers to 4” Magnum cast iron risers

When using 814420A5 oil bracket with MC-20-44354 4” Magnum riser

Part#	Description:	Part#	Description:
1044387	(2) Steel long bolt	**1043749**	(2) Steel short bolt

When using 814420A5 oil bracket with MC-20-44354 Magnum riser and 3” high spacer block kit MC-20-93320A3

Part#	Description:
168M0022138	(2) Studs, 3/8-16 x 10-9/16”

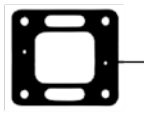
courtesy of

Tech Tips

RAW WATER COOLED MANIFOLDS

Sea Water In

Riser 4354 or 8503A (SHOWN)



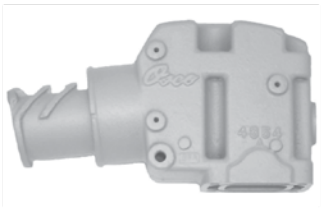
Spacer 3322 or 3320 (SHOWN)

Use the **8503-GR** (top) and the **8503-GO** (bottom) gaskets for a standard cooling system.

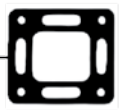
Manifold 9745, 9011 or 7114B2 (SHOWN)

Sea Water in

FRESH WATER COOLED MANIFOLDS



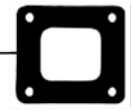
Riser 8503A or 4354 (SHOWN)



Use the **8503-GO** (top) and the **8503-GB** (bottom) gaskets for a closed cooled system.

Sea water in

Spacer 3320 or 3322 (SHOWN)



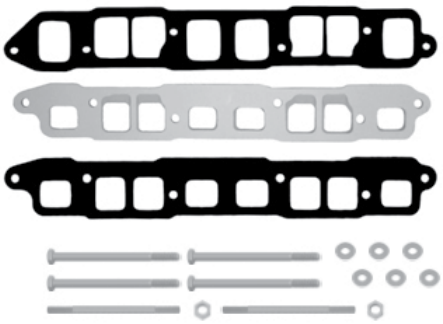
Anti-Freeze out

Manifold 9745, 7114B2 or 9011 (SHOWN)

Anti-Freeze in

Photo's are for illustration purposes only

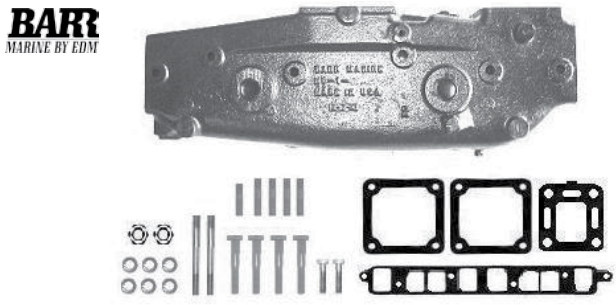
Mercruiser converts large intake port (earlier engines) 181cu. in. manifolds to high output small intake port cylinder heads (later engines)



Part#
OSCMO4-HOK

Description:
Adapter plate kit, includes adapter plate, gaskets, & mounting hardware for Mercruiser manifolds

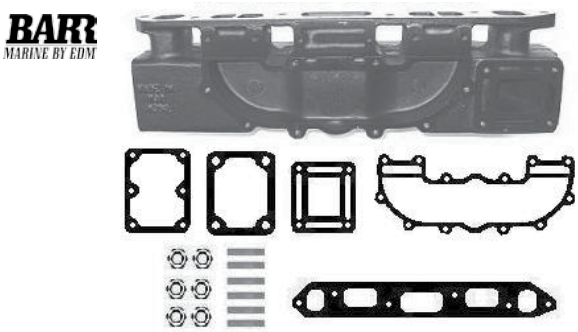
Mercruiser 4 cylinder models 181 C.I.D., 140HP, model 140 engine



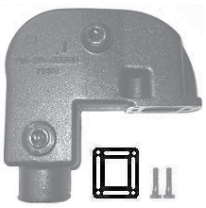
Part#	Description:
MC-1-52390	Direct replacement water cooled manifold, Replaces Mercruiser B-52390A1, for serial #'s 3332138 & up

Part#	Description:
MC-20-76351	Exhaust elbow, Replaces Mercruiser B-60426A1 & B-76351A1

Mercruiser 4 cylinder models 153 C.I.D., 120HP, model 120 engine

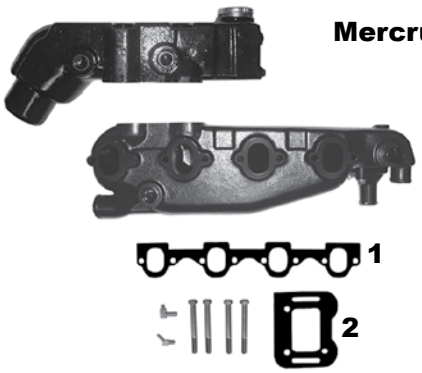


Part#	Description:
MC-1-63122	Direct replacement water cooled manifold, Replaces Mercruiser B-63122A1



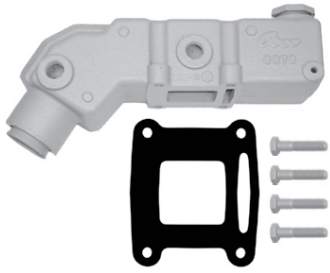
Part#	Description:
MC-20-55538	Exhaust elbow, Replaces Mercruiser B39920 & B55538A2

Mercruiser late model 3.7L ALUMMINUM MANIFOLD for 4 cylinder models 170,470,185,485,& 190



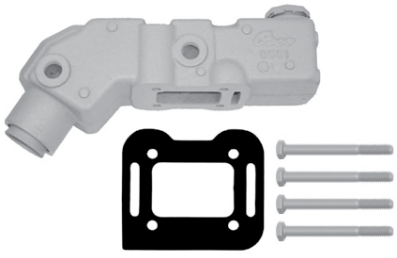
Part#	Description:
816219A4	Mercruiser manifold & elbow reservoir for 3.7L, w/ Gaskets, mounting hardware, & thermostat
816219A5	Manifold only, aluminum
#1 18-0956	Manifold to head gasket Mercruiser #2768715
#2 OSC8561-G	Riser gasket, ALUMINUM ONLY

Mercruiser 4 cylinder 224 cu. in. 3.7 L, models 165, 170, 180, & 190



2" Bolts

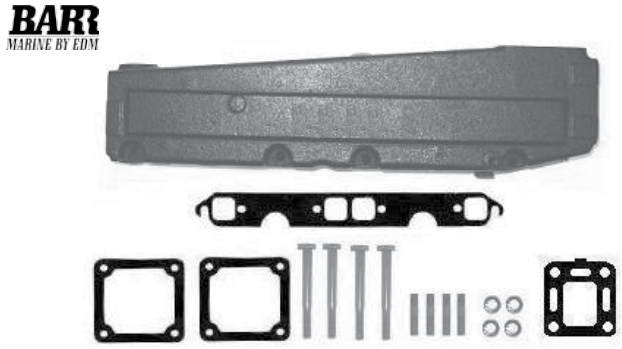
Part#	Description:
OSC0879	Elbow / Reservoir, fits Mercruiser cast iron manifold #99908, replaces Mercruiser #90880
OSC0879-G	Gasket
OSC0879-MK	Gasket & Bolts



4" Bolts

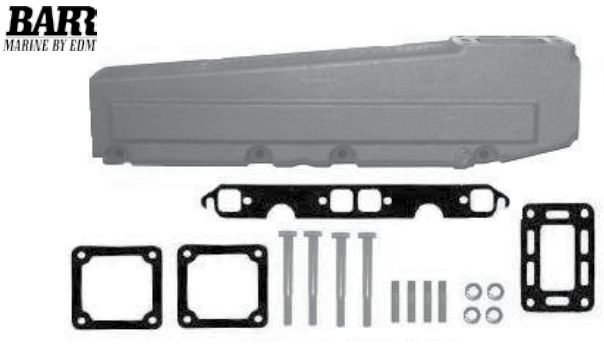
Part#	Description:
OSC8561	Elbow / Reservoir, Fits Mercruiser aluminum manifold #93174, Replaces Mercruiser #98561
OSC8561-G	Gasket
OSC8561-MK	Gasket & Bolts

Mercruiser small block GM with log style or end risers models 198, 228, 250, 260, & 898



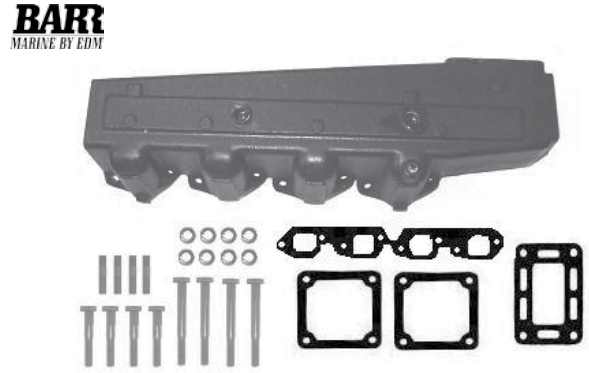
Part#	Description:
MC-1-77234	Port side, square bolt pattern
MC-1-77235	Starboard side, square bolt pattern

Mercruiser small block GM with log style or end risers models 225, 250 255, 270, & 280



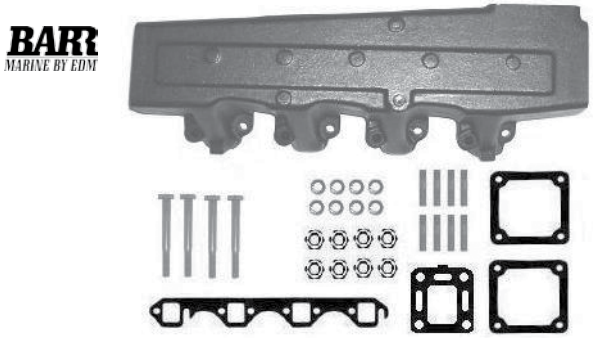
Part#	Description:
MC-1-47737	Port side, rectangular bolt pattern, replaces #B-47737A
MC-1-47738	Starboard side, rectangular bolt pattern, replaces #B-47738A

Mercruiser big block GM with log style or end risers models 325, 330, 350, 370, & 400 inboard units



Part#	Description:
MC-1-47735	Port side, rectangular bolt pattern
MC-1-47736	Starboard side, rectangular bolt pattern

Mercruiser V8 302, 351cu. in., models 188, 215, 225, 233, 255, & 888 inboard & sterndrive units, Ford log style or end riser manifold



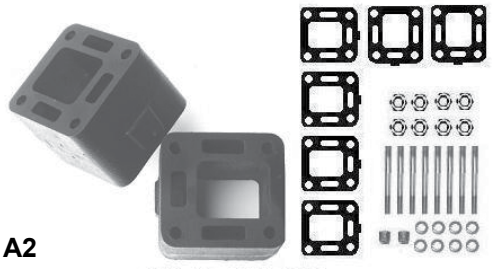
Part#	Description:
MC-1-65604	Port side, square bolt pattern, replaces B-54100A5
MC-1-65603	Starboard side, square bolt pattern, replaces #B-54099A5

Part#
1-60252
Description:
Front end cap with hose connection, Fits most log style manifolds

Part#
1-54870
Description:
Fits most log style manifolds with no water connection

END RISER STYLE W/ SQUARE BOLT PATTERN GASKETS & SPACERS

PAIR!, Includes mounting hardware & gaskets



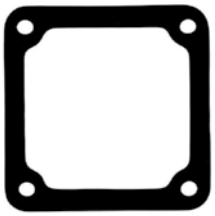
Part#
MC-20-61851A2
Description:
3" height, Fits end riser style manifolds #7234B, #7235B, #5603, & #5604, Replaces Mercruiser #61851A2, #618510A3, square bolt pattern

MC-20-61851A2PKG MOUNTING KIT ONLY

SINGLE!, Does not include mounting hardware or gaskets

Part#
OSC1851
Description:
3" height, Fits end riser style manifolds #7234B, #7235B, #5603, & #5604, Replaces Mercruiser #61851A2, #618510A3, square bolt pattern

Part#
18-2833
Description:
Use with raw water cooling, square pattern



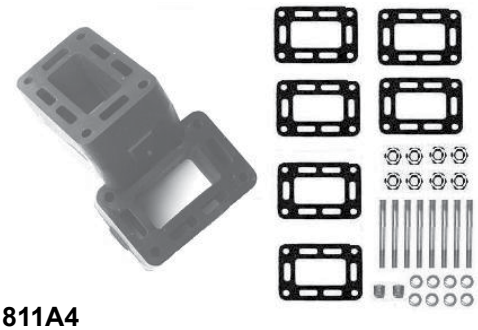
Part#
18-2832
Description:
Use with all log style manifolds, end plate gasket

Part#
18-4008
Description:
Stainless restricter plate, use with raw water cooling, has bleeder hole

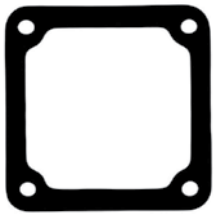
Part#
55730
Description:
Stainless restricter off plate, use with fresh water cooling

EARLY LOG STYLE W/ RECTANGULAR BOLT PATTERN GASKETS & SPACERS

PAIR!, Includes mounting hardware & gaskets



Part#
MC-20-61811A4
Description:
Fits old style log manifolds, rectangular bolt pattern



Part#
18-2832
Description:
Use with all log style manifolds, end plate gasket

Part#
18-0885
Description:
Use with end riser style, rectangular pattern

Part#
73782
Description:
Stainless restricter plate, use with raw water cooling, has bleeder hole

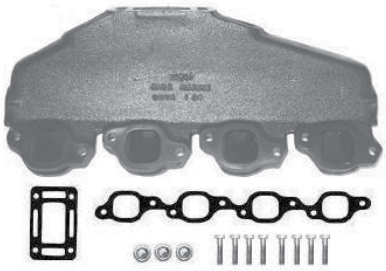
Part#
74829
Description:
Stainless steel block off plate, use with fresh water cooling

MARINE MANIFOLDS & RISERS

MERCRUISER GENERAL APPLICATION RISERS & MANIFOLDS

Part#
CHV-1-83

Description:
Fits all Chevy (GM) small block engines 283, 305, 307, & 350cu. in., also fits standard equipment for Marine Power 350cu. in.



Part#
CHVA-1-84

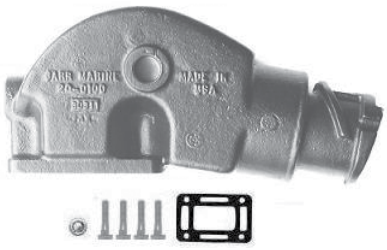
Description:
Fits all Chevy big block engines 454cu. in., also fits standard equipment for Marine Power 454cu. in.

Part#
FM-1-83

Description:
Fits all Ford small block engines 302 & 351cu. in.

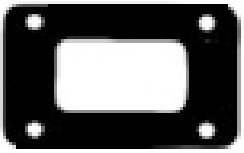
Part#
20-0082

Description:
3" Riser, can be used on CHV-1-83, CHVA-1-84, FM-1-83 manilfods or OSC994, OCSFL994, & OSCCW994 manifolds, also fits standard equipment for Marine Power engines



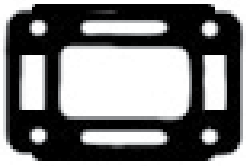
Part#
20-0100

Description:
4" Riser, can be used on CHV-1-83, CHVA-1-84, FM-1-83 manilfods or OSC994, OCSFL994, & OSCCW994 manifolds, also fits standard equipment for Marine Power engines



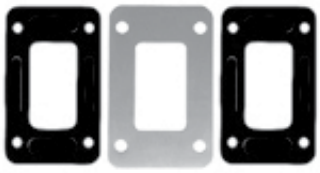
Part#
1-0105

Description:
Fresh water cooled gasket



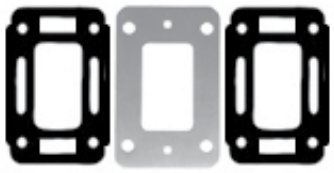
Part#
1-0107

Description:
Raw water cooled gasket



Part#
1-0104PKG

Description:
Fresh water cooled Pkg, w/ Block off plate

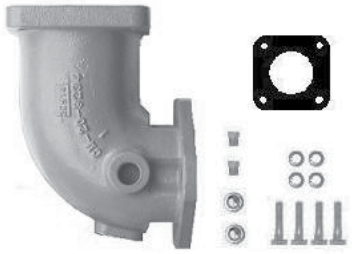


Part#
1-0106PKG

Description:
Raw water cooled Pkg, w/ restricton plate

MARINE MANIFOLDS & RISERS

CHRYSLER RISERS, ELBOWS, EXTENSIONS, & GASKETS



Part#
CM-20-9234
Description:
Chrysler 90° Lower Elbow for 440's

Part#
CM-20-2600402
Description:
Chrysler 90° Lower Elbow, for 318 / 360

Part#
CM-20-2847405
Description:
Chrysler 90° Elbow, for 318 / 360

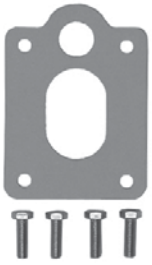
Part#
CM-20-4142411
Description:
Swivel Elbow, use mounting kit CM-20-4142411PKG

Part#
CM-20-6672
Description:
Chrysler 20° Elbow, for 318 / 360

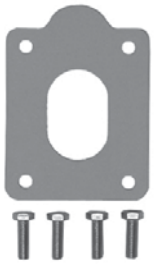
Part#
CM-20-6674
Description:
Chrysler 6" Riser, for 318 / 360

Part#
OSC4-EXT
Description:
4" extension

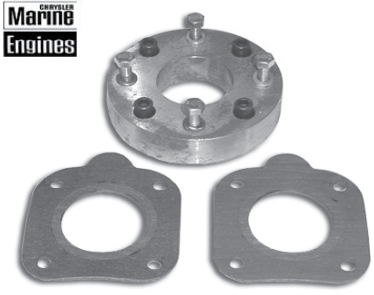
Part#
CM-20-9232
Description:
6" extension



Part#
OSC480-MK
Description:
RWC Mounting kit



Part#
OSC480-MK-FW
Description:
FWC Mounting kit

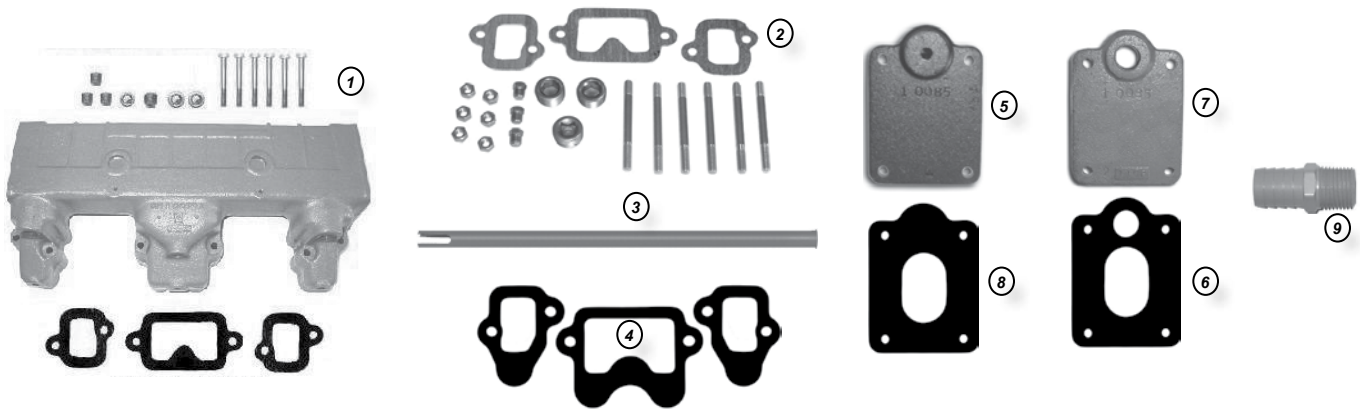


Part#
3619673-K
Description:
440 adapter plate, used only on original equipment manifolds

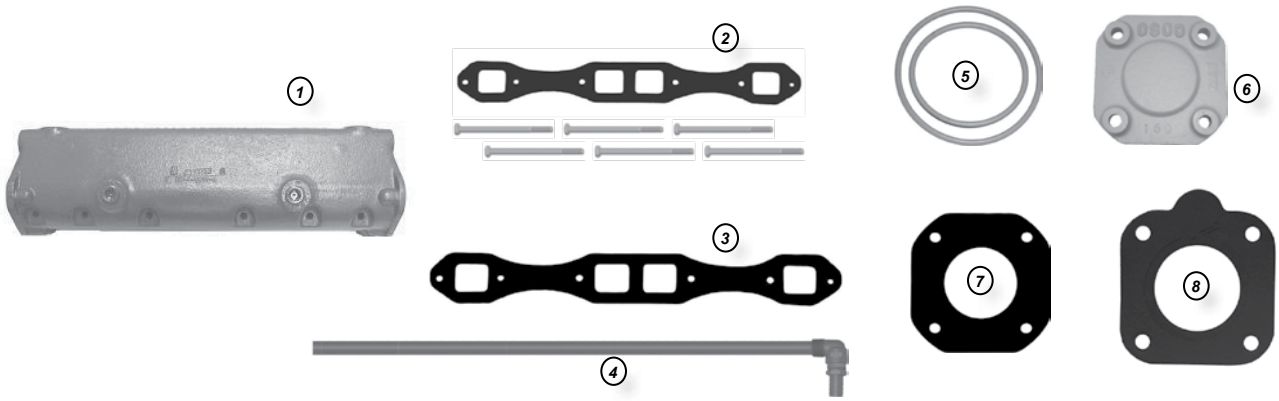
Part#
CM-20-4142411PKG
Description:
Swivel elbow mounting kit

MARINE MANIFOLDS & RISERS

CHRYSLER 318, 340, 360, 383, 400, 413, 426, & 440 MANIFOLDS



Ref#	Part#	Description:
1	CM-1-6677-A	Chrysler 318, 340, 360 Manifold
2	CM-1-6677-SSPKG	Gasket & stainless steel stud kit
3	OSC557	Water distribution tube
4	OSC826-GH	Manifold to head gasket
5	CM-1-6672-B	End plate for manifold, no hole
6	OSC480	RWC end plate gasket
7	CM-1-6672-H	End plate for manifold, w/ hole
8	OSC480-FW	FWC endplate gasket
9	MID32-022	water fitting, 1/2” MPT x 3/4” hose barb



Ref#	Part#	Description:
1	OSC7081	Chrysler 383, 400, 413, 426, & 440 Manifold only
2	OSC7081-MK	Gasket & Bolt kit
3	OSC7081-GH	Manifold to head gasket
4	OSC424	Water distribution tube
5	OSC7087-OR	O” ring kit
6	OSC150	Front plate
7	OSC121	End plate gasket
8	3745996	RWC gasket

courtesy of

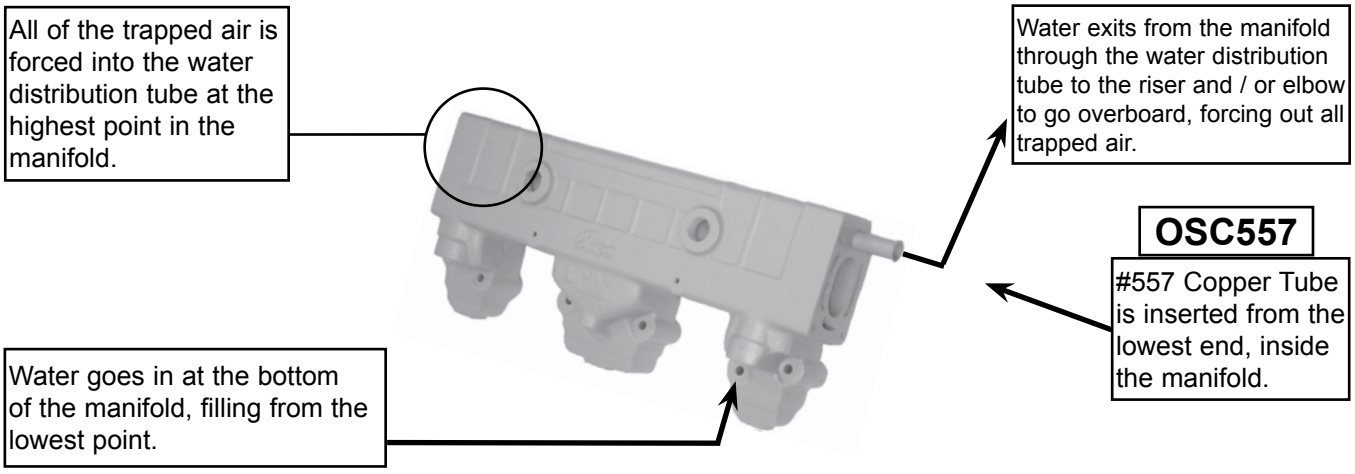
Installation of Water Distribution Tubes

The water distribution tube is required when the engine sits on a steep angle. Its purpose is to remove the air that gets trapped in the manifold, causing the manifolds to run hot and steam. It also increases the circulation of the cooling water in the manifold. The tube is inserted from the exhaust outlet end and is almost as long as the manifold itself. Neither tube has holes drilled in them. The #557 has two slots cut into one end, the #424 has no slots. **Do Not** fill from the front of the manifold as this will send the water down the tube and overboard without cooling the manifold. Block the water flow at the front of the manifold with a ¾" pipe plug or a #106 front plate on the # 826. Fill the manifold from the lowest ¾" IPT port on the bottom rear inlet of the manifold. Filling the manifold from the lowest point forces all air into the water distribution tube that would otherwise be trapped in the manifold. This allows the manifold to stay full of water and to circulate fully. The water then flows out of the manifold via the water distribution tube into the exhaust riser or elbow to be discharged overboard.

Do not modify gaskets. They are designed to allow proper water flow.

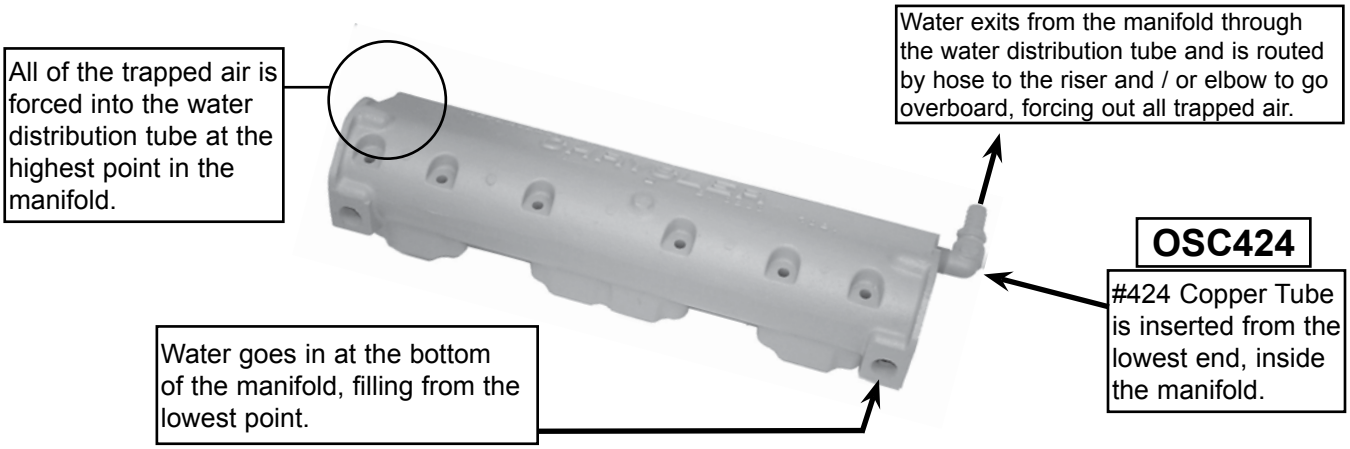
Chrysler 318 - 360 manifold # 826

(The #557 Water Distribution Tube is for use in raw water cooled applications only.)


All of the trapped air is forced into the water distribution tube at the highest point in the manifold.
Water exits from the manifold through the water distribution tube to the riser and / or elbow to go overboard, forcing out all trapped air.
OSC557
#557 Copper Tube is inserted from the lowest end, inside the manifold.
Water goes in at the bottom of the manifold, filling from the lowest point.

Chrysler 383 - 440 manifold # 7081

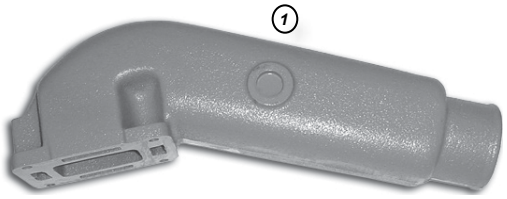
(The diagram below shows the #424 Water Distribution Tube plumed for raw water cooled applications.)

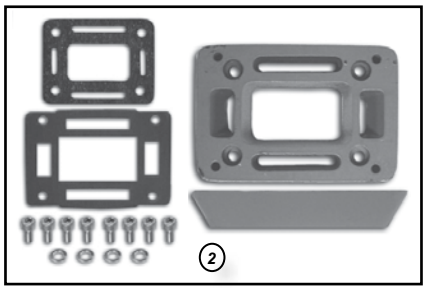

All of the trapped air is forced into the water distribution tube at the highest point in the manifold.
Water exits from the manifold through the water distribution tube and is routed by hose to the riser and / or elbow to go overboard, forcing out all trapped air.
OSC424
#424 Copper Tube is inserted from the lowest end, inside the manifold.
Water goes in at the bottom of the manifold, filling from the lowest point.

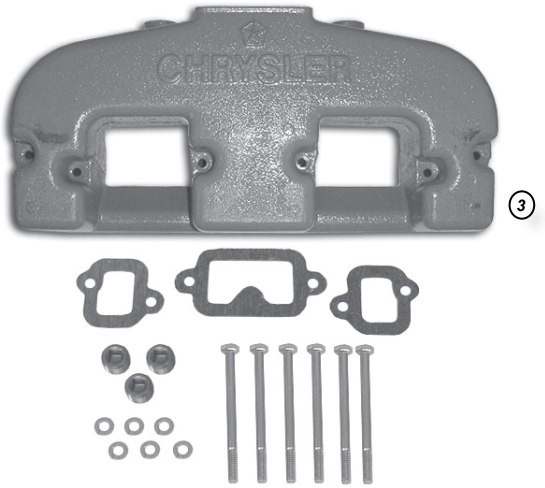
MARINE MANIFOLDS & RISERS

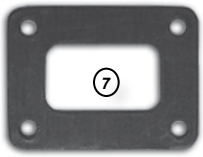
CHRYSLER LM 318 / 360 LATE MODEL CENTER STYLE

***Note: This new style riser is 1" taller & 5" longer than the original Chrysler riser**

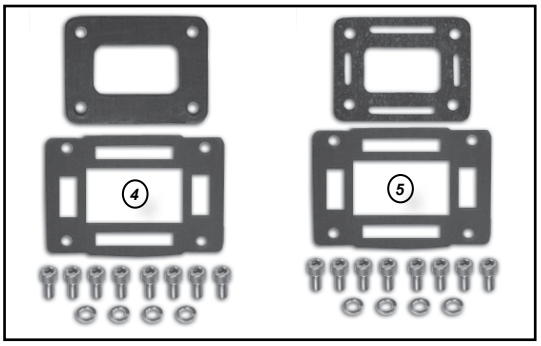








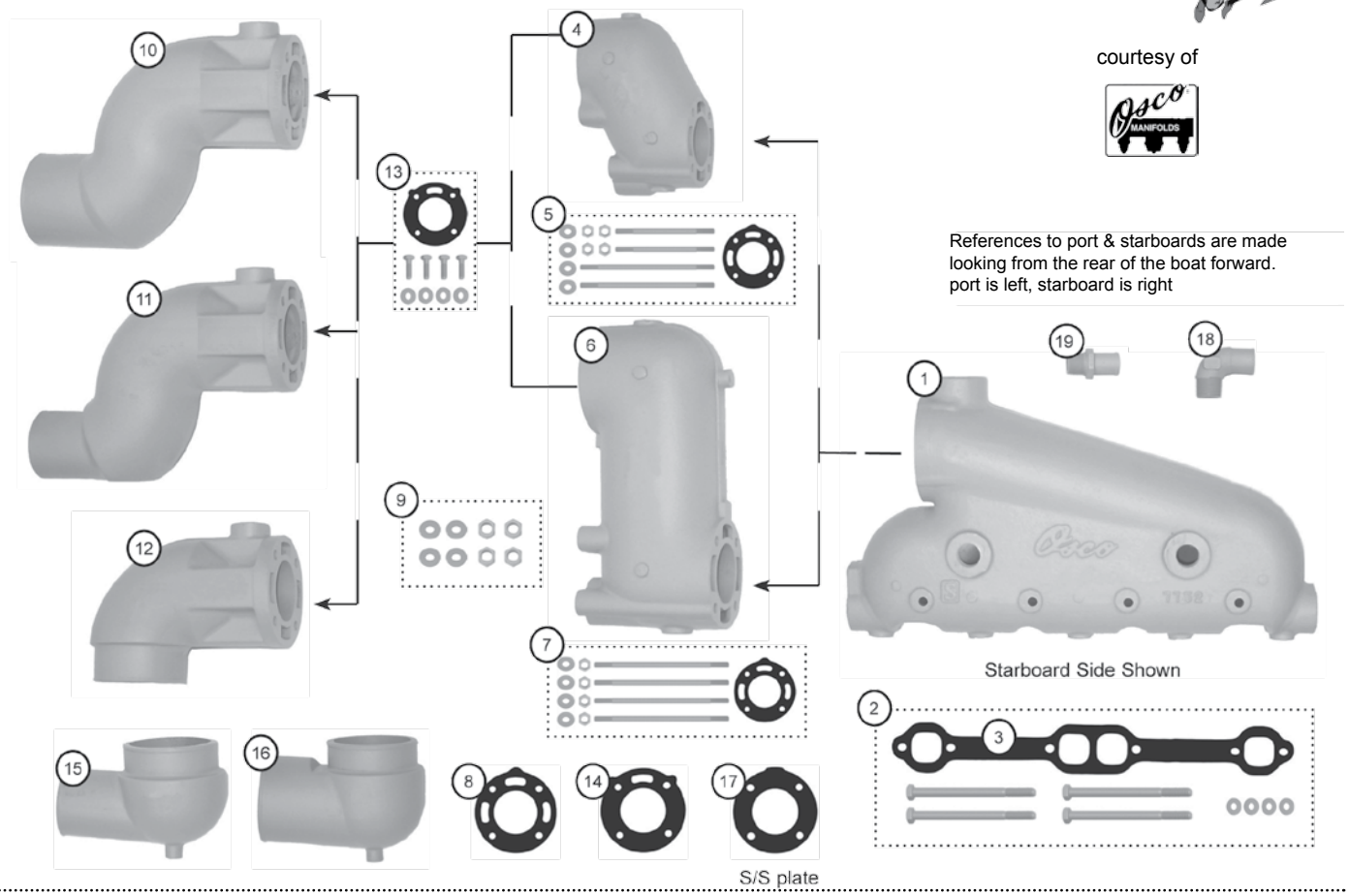
* REPLACMENT GASKET & BOLT KITS



Ref#	Part#	Description:
1	**IND53-4005**	Exhaust Riser
2	**BAR53-4002**	Adaptor w/ all gaskets & hardware
3	**4417063**	Manifold w/ mounting gkts & bolts
4	**IND53-4006**	FWC Riser mounting kit
5	**IND53-4007**	RWC Riser mounting kit
6	**IND56-5976**	Mounting bolts, manifold to head
7	**4417232**	FWC gasket between adapter & riser
8	**IND53-4004**	FWC gasket between manifold & adapter
9	**IND53-2010**	RWC gasket between adapter & riser

courtesy of

References to port & starboards are made looking from the rear of the boat forward. port is left, starboard is right



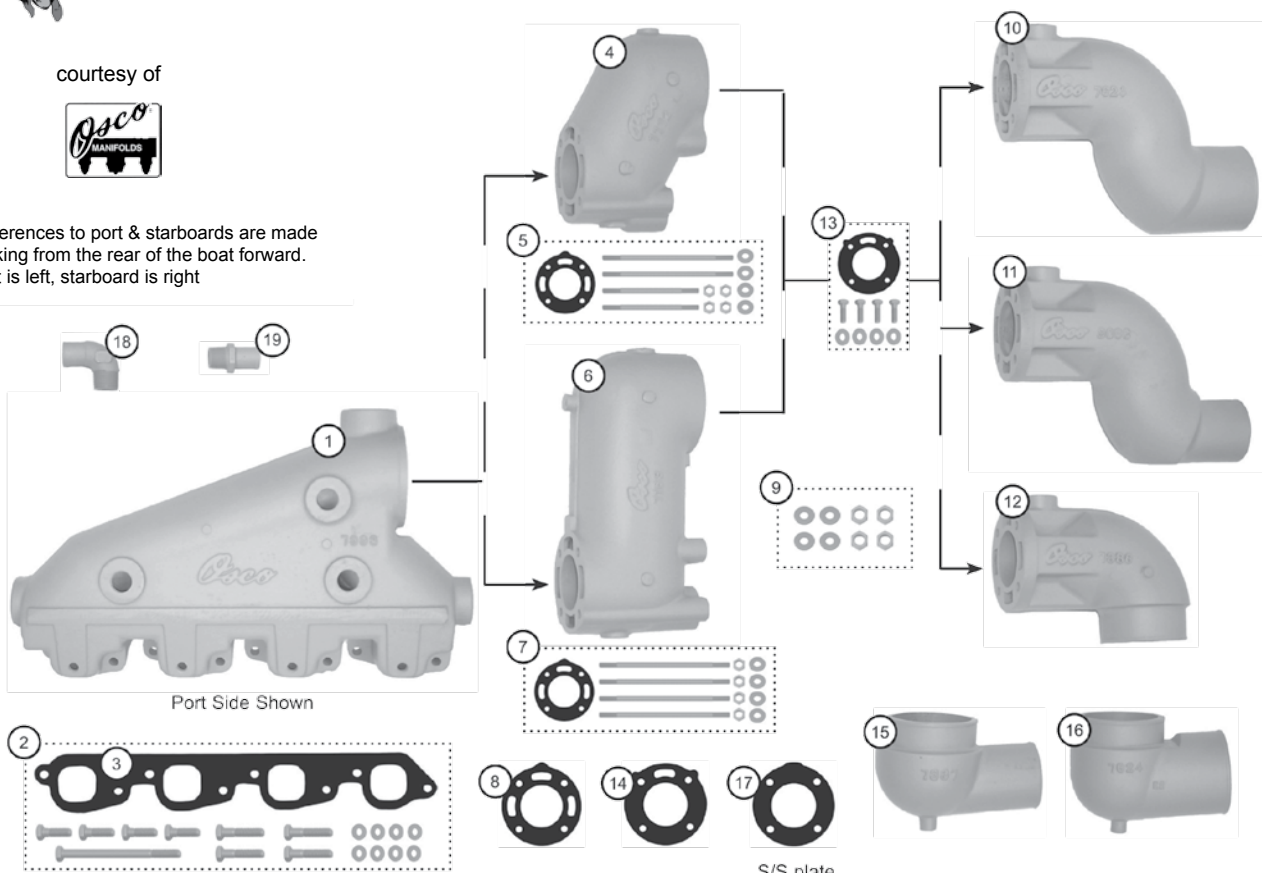
Ref#	Part#	Description:
1	**OSC7752**	Manifold, starboard
1	**OSC7753**	Manifold, port
2	**OSC775-MK**	Mounting Kit, manifold. Fits 7752 and 7753 manifolds without alternator bracket
2	**OSC775-MK-A**	Mounting Kit, manifold. Fits 7753 manifold with alternator bracket
3	**OSCCV-GH**	Gasket, manifold to cylinder head
4	**OSC7772**	Riser, 4". Replaces Crusader # 97772
5	**OSC7772-MK**	Mounting Kit, riser. Fits 7772 riser
6	**OSC7169**	Riser, 8". Replaces Crusader # 97169
7	**OSC7169-MK**	Mounting Kit, riser. Fits 7169 riser
8	**BAR96108**	Gasket, riser, 3 holes for water
9	**OSCNWK**	Nut and Washer Kit. 4 each sealing washer and locking nuts
11	**OSC8068**	Elbow, 3" outlet. Replaces Crusader # 98068 ****MOST COMMON APPLICATION****
10	**OSC7924**	Elbow, 4" outlet. Replaces Crusader # 97924
12	**OSC7386**	Elbow, jacketed upper for swivel. Replaces Crusader # 97386
13	**OSC6562-MK**	Mounting Kit, elbow. Fits 7924, 8068, and 7386
14	**BAR96562**	Gasket, elbow, 1 hole for water, Replaces Crusader # 96562
15	**OSC7387**	Elbow, lower swivel with 3" outlet. Replaces Crusader # 97387.
16	**OSC7624**	Elbow, lower swivel with 4" outlet. Replaces Crusader # 97624.
17	**CRU97296**	Stainless Plate, block off. Separates fresh water from raw water Replaces Crusader # 97296
18	**OSC7854**	Water Fitting, 90º elbow. 1” MPT x 1¼” hose barb. Replaces Crusader # 97854
19	**MID32-024**	Water Fitting, straight. ¾” MPT X 1” hose barb

MARINE MANIFOLDS & RISERS

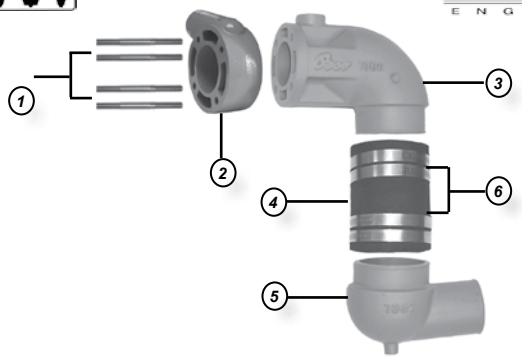
CRUSADER BIG BLOCK V8 454 CU. IN. MODELS CH350 & 454XL

courtesy of

References to port & starboards are made looking from the rear of the boat forward. port is left, starboard is right

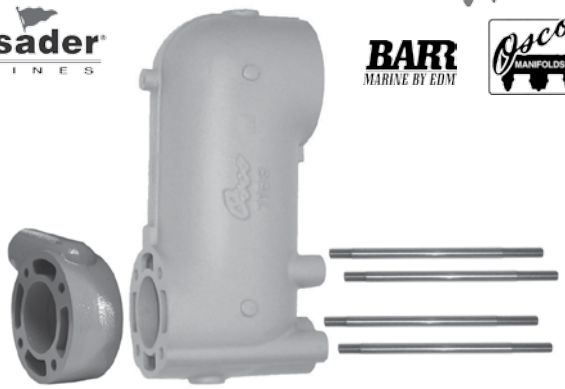


Ref#	Part#	Description:
1	**OSC7992**	Manifold, starboard, Replaces Crusader # 97992 and 97114
1	**OSC7993**	Manifold, port, Replaces Crusader #97993 and 97115
2	**OSC799-MK**	Mounting Kit, manifold. Fits 7992 / 7993 manifolds
3	**OSCCW-GH**	Gasket, manifold to cylinder head, Replaces Crusader # 96653.
4	**OSC7772**	Riser, 4". Replaces Crusader # 97772
5	**OSC7772-MK**	Mounting Kit, riser. Fits 7772 riser
6	**OSC7169**	Riser, 8". Replaces Crusader # 97169
7	**OSC7169-MK**	Mounting Kit, riser. Fits 7169 riser
8	**BAR96108**	Gasket, riser, 3 holes for water. Used at manifold with risers 7772 and 7169, Replaces rusader # 96108
9	**OSCNWK**	Nut and Washer Kit. 4 each sealing washer and locking nuts
11	**OSC8068**	Elbow, 3" outlet. Replaces Crusader # 98068 ****MOST COMMON APPLICATION****
10	**OSC7924**	Elbow, 4" outlet. Replaces Crusader # 97924
12	**OSC7386**	Elbow, jacketed upper for swivel. Replaces Crusader # 97386
13	**OSC6562-MK**	Mounting Kit, elbow. Fits 7924, 8068, and 7386
14	**BAR96562**	Gasket, elbow, 1 hole for waterReplaces Crusader # 96562
15	**OSC7387**	Elbow, lower swivel with 3" outlet. Replaces Crusader # 97387.
16	**OSC7624**	Elbow, lower swivel with 4" outlet. Replaces Crusader # 97624.
17	**CRU97296**	Stainless Plate, block off. Separates fresh water from raw water, Replaces Crusader # 97296
18	**OSC7854**	Water Fitting, 90º elbow. 1" MPT x 1¼" hose barb. Replaces Crusader # 97854
19	**MID32-024**	Water Fitting, straight. ¾" MPT X 1" hose barb



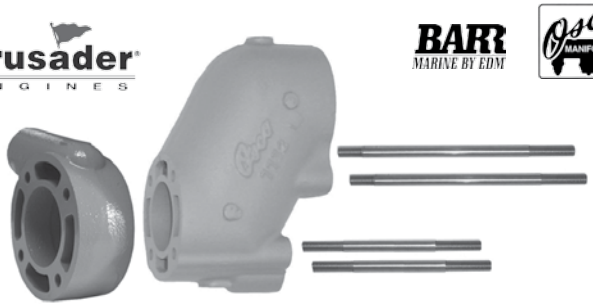
CRUSADER SWIVEL EXHAUST ELBOW
when using CRU97295 spacer in front of OSC7386 elbow, you will need 4 CR-50-96369 studs

Ref#	Part#	Description:
1	CR-50-96369	3-3/4" Stud
2	CRU97295	Spacer
3	OSC7386	Upper Elbow
4	CRU22221	Hose
5	OSC7387	Lower Elbow 3"
5	OSC7624	Lower Elbow 4"
6	18-720-4000	Clamp



CRUSADER 8" RISER,
When using CRU97295 spacer in front of OSC7169 riser, you will need 4 CR-50-22032 studs

Optional hose barb for FWC riser is MID32-024, 3/4" pipe x 1" hose



CRUSADER 4" RISER,
When using CRU97295 spacer in front of OSC7772 riser, you will need 2 CR-50-22033 studs & 2 CR-50-22032 studs

Optional hose barb for FWC riser is MID32-024, 3/4" pipe x 1" hose

Optional hose barb for CRU97295 is MID32-028, 1" pipe x 1-1/4" hose

CRUSADER 4" ELBOW,
When using CRU97295 spacer in front of OSC8068 or OSC7924 elbow, you will need 4 CR-50-96369 studs

Optional hose barb for FWC riser is MID32-024, 3/4" pipe x 1" hose

Optional hose barb for CRU97295 is MID32-028, 1" pipe x 1-1/4" hose

Part# CRU97295 **Description:** Spacer, 2" thick

Part# OSC20257 **Description:** 12 Point Bolts

Part# BJM91121 **Description:** 3/8" Washer

MARINE MANIFOLDS & RISERS

CRUSADER EXHAUST GASKET USAGE

Crusader ENGINES

BAR96562
W/ 1 WATER SLOT
(2 TABS)

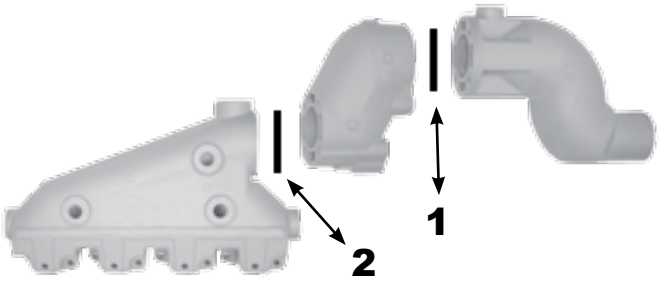
BAR96108
W/ 3 WATER SLOT
(1 TAB)

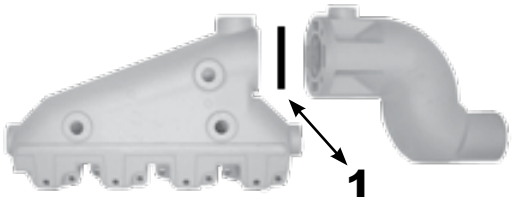
CRU97296
S/S BLOCK OFF PLATE
(NO WATER HOLES)

Osco MANIFOLDS

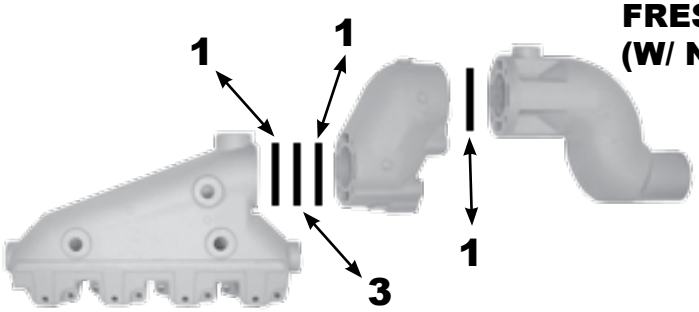
BARR MARINE BY EDM

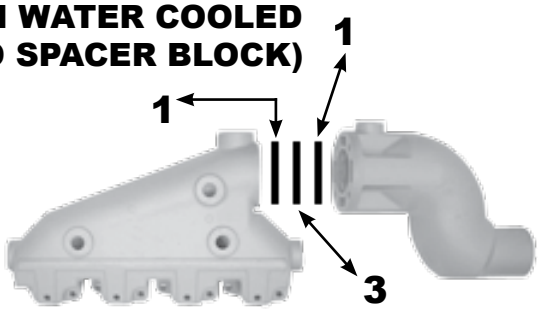
SALT WATER COOLED



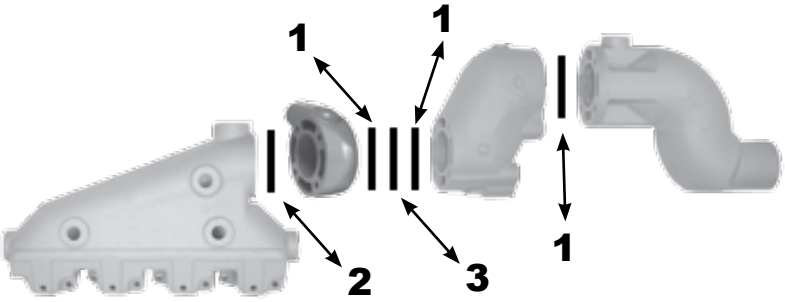


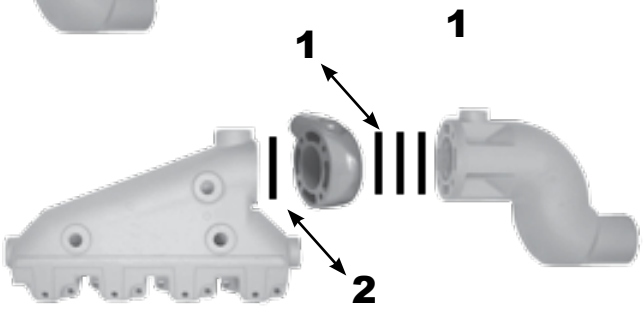
FRESH WATER COOLED (W/ NO SPACER BLOCK)

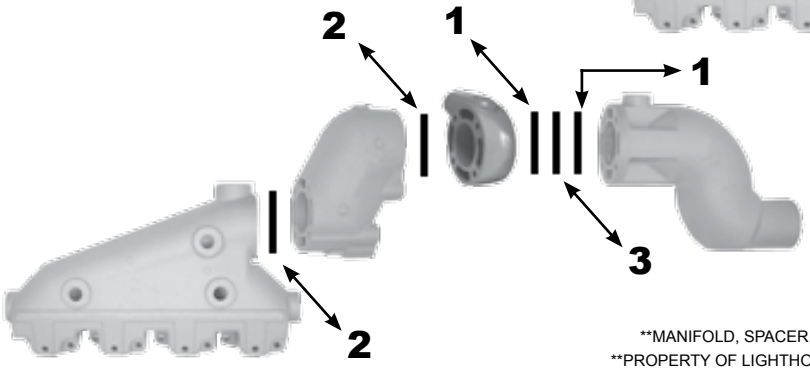




FRESH WATER COOLED (W/ SPACER BLOCK)







courtesy of

Lighthouse Marine Supply
"saving boater's weekends everywhere"
www.partman.com

MANIFOLD, SPACER, RISER, & ELBOW MAY VARY DEPENDING ON APPLICATION
PROPERTY OF LIGHTHOUSE MARINE DISTRIBUTORS, LIGHTHOUSE MARINE SUPPLY

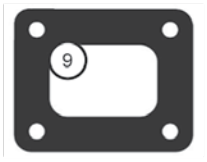
courtesy of

TORGUE SPECS:

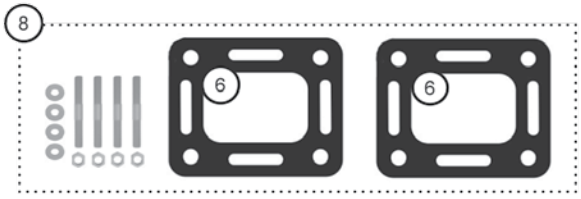
Riser Bolts / Nuts - 25 FT. LBS.

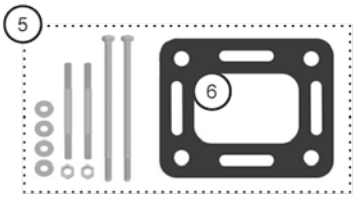
Manifold to head bolts - 35 FT. LBS.

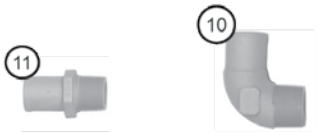
NOTE:
This is a general guide only. Refer to your specific service manual for correct torque specifications

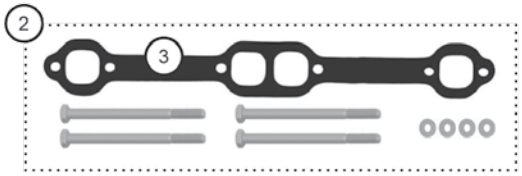


S/S plate







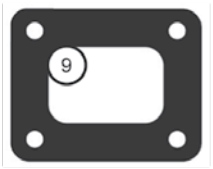


Ref#	Part#	Description:
1	**OSC8243**	Port & / or Starboard Manifold, Replaces Crusader # 98243
2	**OSC8243-MK**	Mounting Kit, Manifold. Fits 8243 manifold
3	**OSCCV-GH**	Gasket, manifold to cylinder head
4 A	**OSC9015***	Riser, 4" Exhaust outlet, 8-1/4" hieght, without “Sensor Port”
4 B	**CR-20-98126**	Riser, 4" Exhaust outlet, 6-3/4" hieght, replaces CRU98126
5	**OSC9015-MK**	Mounting Kit, riser
6	**OSC9015-G**	Gasket, riser, Replaces Crusader # 98127.
7	**OSC8128**	Spacer, 4". Replaces Crusader # 98128
8	**OSC8128-MK**	Mounting Kit, spacer. Mounts the 8128 spacer to the 8243 manifold
9	**OSC8124**	Stainless Plate, block-off. Replaces Crusader # 98124
10	**OSC7854**	Water Fitting, 90º elbow. 1" MPT x 1 1/4" hose barb. Replaces Crusader # 97854
11	**MID32-024**	Water Fitting, Straight. 3/4" MPT x 1” hose barb. Replaces Crusader # 97911. For risers / elbows

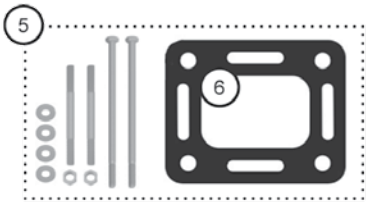
MARINE MANIFOLDS & RISERS

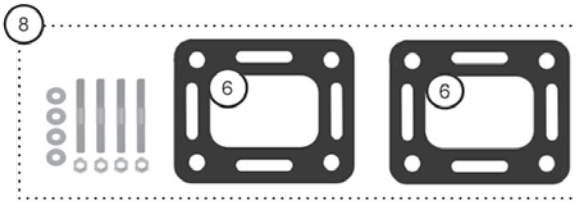
CRUSADER BIG BLOCK V8 454 CU. IN. MODELS 454XL & 502XL

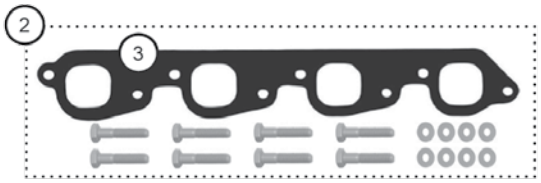
courtesy of



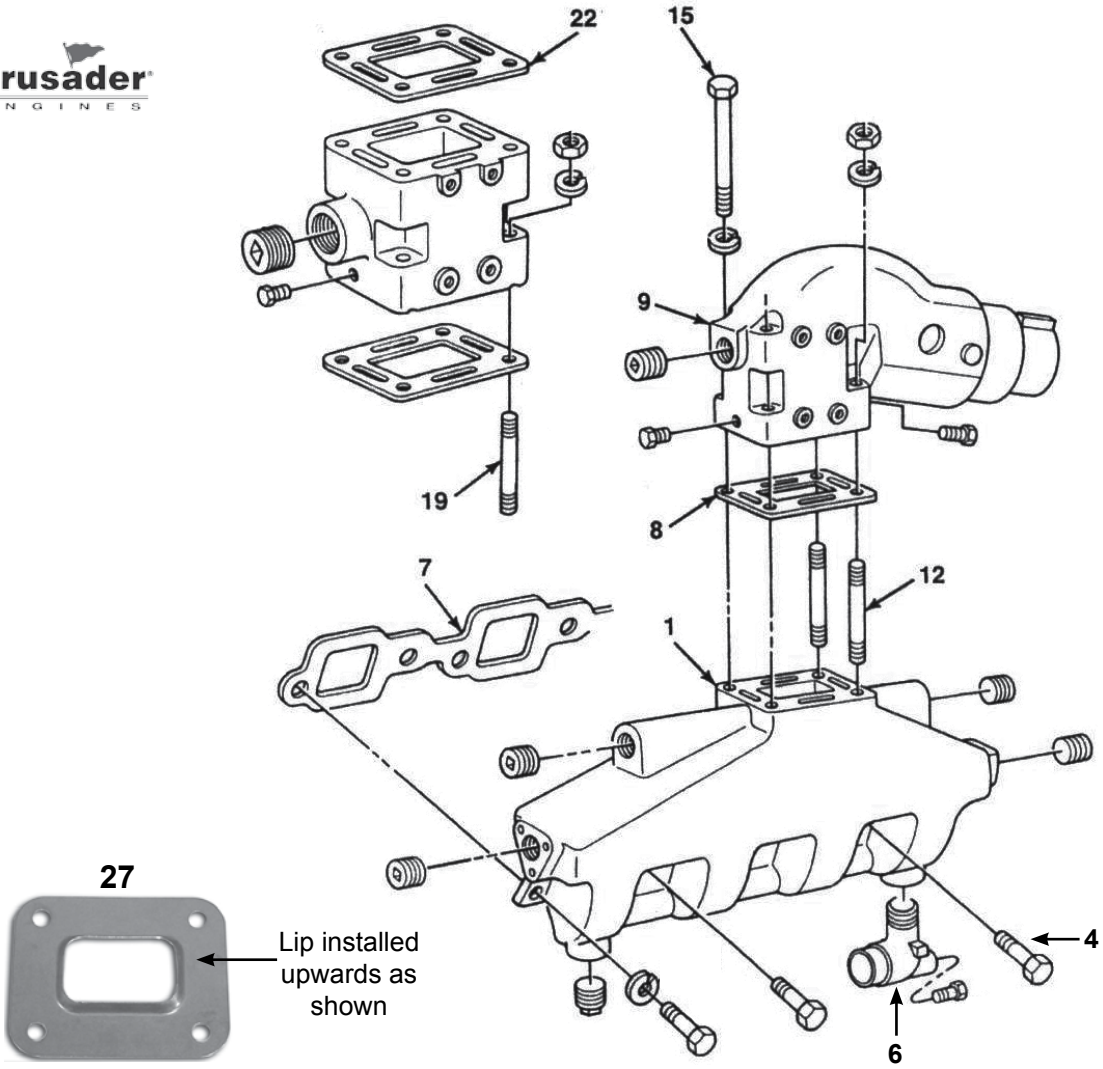
S/S plate







Ref#	Part#	Description:
1	OSC8125	Port & / or Starboard Manifold, Replaces Crusader #98125
2	OSC8125-MK	Mounting Kit, Manifold. Fits 8125 manifold
3	OSCCW-GH	Gasket, manifold to cylinder head. Replaces Crusader # 96653.
4 A	OSC9015*	Riser, 4" Exhaust outlet, 8-1/4" hieght, Replaces Crusaders without “Sensor Port”
4 B	CR-20-98126	Riser, 4" Exhaust outlet, 6-3/4" hieght, replaces CRU98126
5	OSC9015-MK	Mounting Kit, riser
6	OSC9015-G	Gasket, riser, Replaces Crusader # 98127.
7	OSC8128	Spacer, 4". Replaces Crusader # 98128
8	OSC8128-MK	Mounting Kit, spacer. Mounts the 8128 spacer to the 8243 manifold
9	OSC8124	Stainless Plate, block-off. Replaces Crusader # 98124
10	OSC7854	Water Fitting, 90º elbow. 1" MPT x 1 1/4" hose barb. Replaces Crusader # 97854
11	MID32-024	Water Fitting, Straight. 3/4" MPT x 1” hose barb. Replaces Crusader # 97911. For risers / elbows

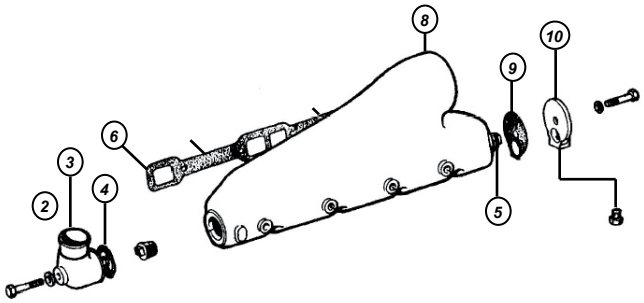


Ref#	Part#	Description:
1	CRU98125	Port or Starboard Manifold, Big block
1	CRU98243	Port or Starboard Manifold, Small block
4	CRU90348150	Manifold bolts, Big block 3/8” x 1-1/2”
4	CRU90305400	Manifold bolts, Small block
6	OSC7854	Straight fitting, 1-1/4” hose x 1” pipe
6A	MID32-028	90º Water fitting
7	CHV-47-0000	Gasket manifold, Small block
7A	CHVA-47-0000	Gasket manifold, Big block
8, 22	CRU98127	Gasket
9	CRUR029015	8-1/4” height, Center style riser with “Sensor Port”
12	CRU20827	Stud, length 3”
15	CRU90305475	Riser bolts
16	CRU98128	Spacer
19	CRU20783	Stud, length 2-3/4”
27	CRU98124	Stainless steel block off plate

MARINE MANIFOLDS & RISERS

CRUSADER VINTAGE STYLE MANIFOLD & OMC 4 CYLINDER MANIFOLD

Crusader ENGINES

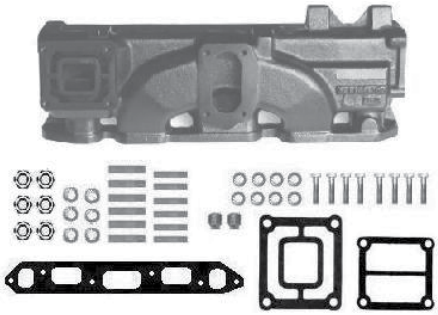


VINTAGE CRUSADER EARLY STLYE MANIFOLD ACCESSORIES

Ref#	Part#	Description:
1	CRU90304275	Bolt
2	CRU92302000	Washer
3	CRU96144	Cap, water connection
4	CRU96216	Gasket
5	CRU96339	Plug w/ 3/8” 16 thread
6	CHV-47-0000	Manifold to head gasket
8	-NLA-	Replace w/ newer style
9	CRU96331	Gasket
10	CRU96292	End cap

OMC 4 CYLINDER 153 cu. in. 120 hp 2.5L MODEL 120 ENGINE

BARR MARINE BY EDM



Part#	Description:
OMC-1-981462	Replaces OMC #979729 & #980459, 1973-1981
OMC-1-982657	Direct replacement w/ heat source for automatic choke in exhaust port, 1982-1986

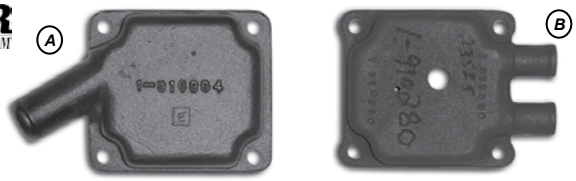
BARR MARINE BY EDM

Part#	Description:
OMC-20-980536	Replaces OMC #979730 & #980536

BARR MARINE BY EDM

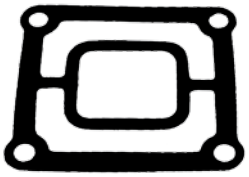
Part#
OMC-20-908014
Description:
Exhaust manifold to riser adapter, for use w/ OMC riser #910380

BARR MARINE BY EDM



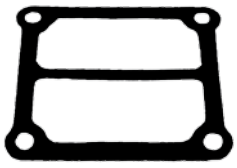
Part#	Description:
1-910384	(A) Front end cap, Replaces OMC #910384
1-910280	(B) Front end cap, Replaces OMC #910280 & #311550

Sierra



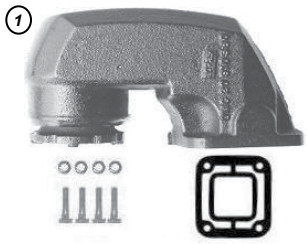
Part#
18-2861
Description:
Exhaust elbow gasket

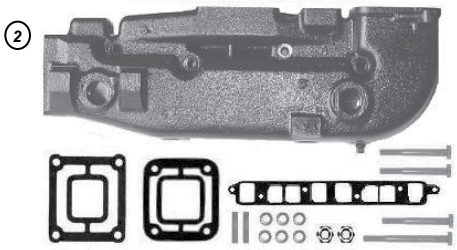
Sierra

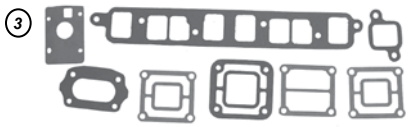


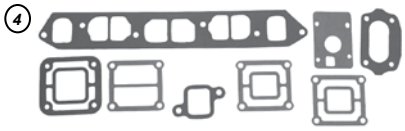
Part#
18-0114
Description:
Front end cap gasket

OMC 4 CYLINDER 181 cu. in. 140 hp, MODEL 3.0L, 1973 - 1990









BARR MARINE BY EDM

Sierra

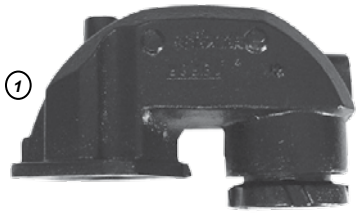
Ref#	Part#	Description:
1	OMC-20-910380	Exhaust riser
2	0MC-1-984054	Manifold, replaces OMC part # 980083, 980460, 980957, & 982490
3	18-4371	Manifold gasket set for 140 hp 3.0L 1973-1984 engines
4	18-4369	Manifold gasket set for 2.5L, 1985-1986 & 3.0L 1985-1990 engines

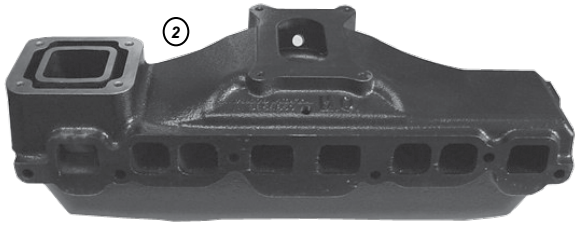
Holley Since 1903

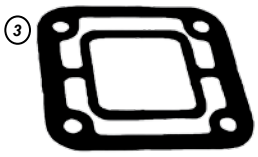
VOLVO PENTA

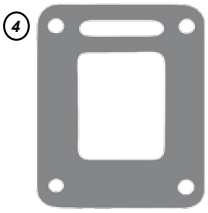
Sierra

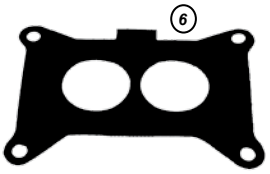
OMC & VOLVO PENTA 3.0L WITH HOLLEY 2-BBL CARBURETOR (1995 & NEWER)











Ref#	Part#	Description:
1	3863071	Exhaust Elbow, replaces part #'s 3851227, 3856662, 3857798
2	3858870	Manifold, replaces part #'s 986985, 3854045, 3857450, & 3858871
3	18-2875	Riser to Manifold gasket for OSC0188, OMC-20-910380, 3863071 **Note: Applications with restrictor plate require (2) gaskets**
4	3853628	Restrictor Plate, Use gasket # 18-2875 on top and bottom of restrictor plate, between riser (elbow) and exhaust manifold
5	3853256	Manifold to Head gasket, replaces OMC & Volvo-Penta # 3853256, Mercruiser # 27-815528
6	18-0360	Carburetor Mounting Gasket for Holley 2-bbl Carburetor, Replaces Mercruiser part # 27-70142

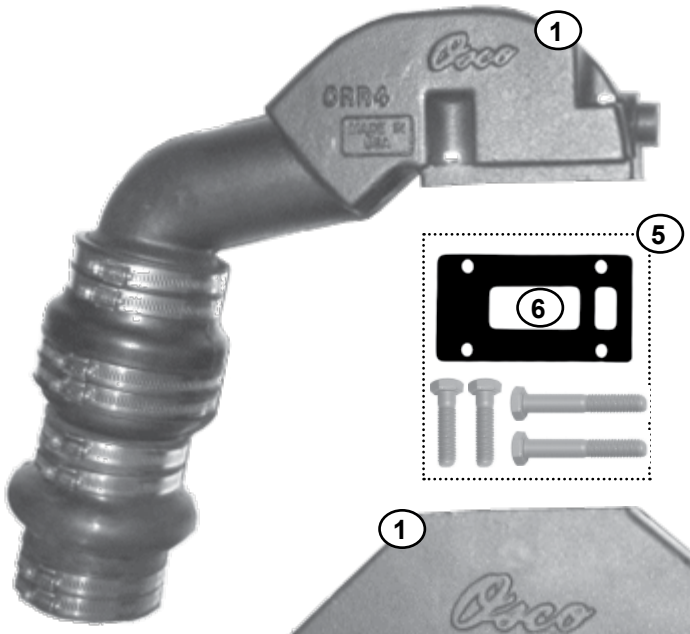
MARINE MANIFOLDS & RISERS

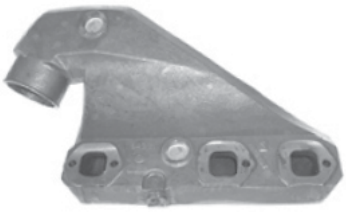
OMC V6 4.5 / 4.3 H.O - GM 262 CID V6 MODEL YEARS 1986 - 1990

**** NOT FOR USE ON VORTEC ENGINES ****

courtesy of

** IMPORTANT NOTE ABOUT THE CRR-2-G RISER GASKET:
The installer must place the small rectangle hole of the gasket at the front of the riser, opposite the exhaust outlet end, as shown below. This directs the water flowover the top of the riser for maximum cooling





OMC Original

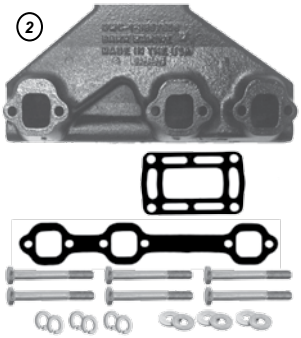
**Osco OMC643-KIT

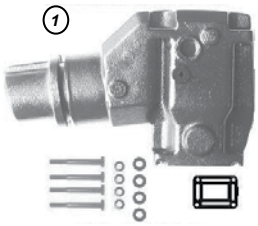
**KIT COMES WITH ITEMS 1 thru 13 FOR BOTH SIDES OF ENGINE OSCO RECOMMENDS REPLACING BOTH SIDES OF ENGINE EXHAUST SYSTEM AT THE SAME TIME. NOT FOR USE ON VORTEC ENGINES

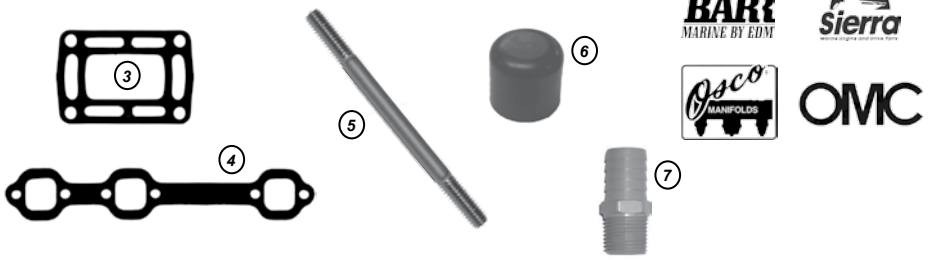
**PROPERTY OF LIGHTHOUSE MARINE SUPPLY & OSCO MOTORS

Ref#	Part#	Description:
1	**OSCOMC643-KIT**	Manifold kit, fits 1986-1990 OMC4.3L V6 engines, Replaces OMC 984221 & 984222
3	**OSCCS-GH**	Manifold to Cylinder head gasket
5	**OSCCRR-2-MK**	Riser mounting kit, for RWC engines
6	**OSCCRR-2-G**	Riser to Manifold Gasket, allows cooling water to pass from manifold to riser
7	**MID32-024**	Water Fitting, 3/4” MPT x 1/2” FPT reducing bushing
13	**MID28-097**	Brass plug, 3/4” MPT brass pipe plug for winterizing exhaust

OMC V6 4.3L 1991 & NEWER

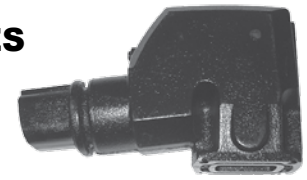






Ref#	Part#	Description:
1	OMC-20-913784	Port / Starboard riser
2	OMC-1-3857656	Port / Starboard manifold
3	OSC50456-G	Riser to manifold gasket
4	OSCCS-GH	Manifold to head gasket
5	3852467	Manifold mounting stud, requires 3/8-24" nut
6	18-0549	1" rubber cap w/ clamp
7	50-512-017	Barb, 1/2" MPT x 1" hose

"FORD EFI ENGINES ONLY RISERS"



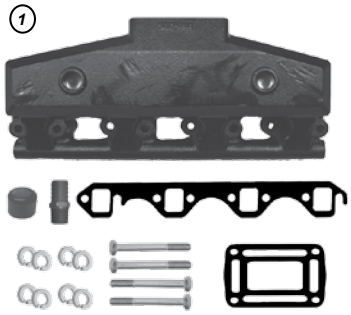
Ref#	Part#	Description:
1	3855269	Starboard riser, Ford EFI engines
2	3855271	Port riser, Ford EFI engines

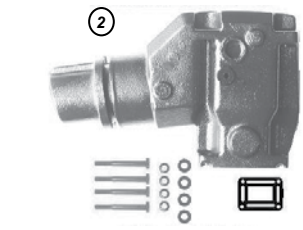
EXTRA TALL CENTER STYLE RISER

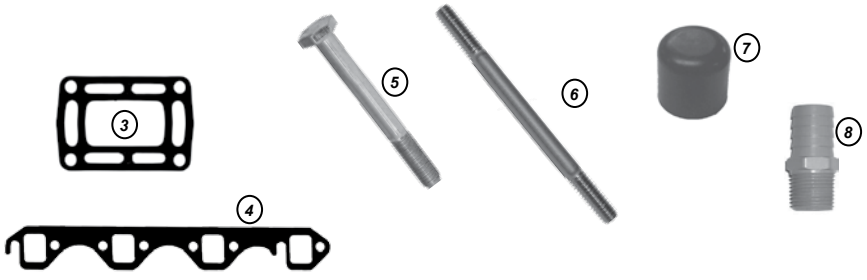
Part#
3862627

Description:
11-1/2" Height, check your application, only made by Volvo-Penta, Volvo-Penta part # 3862627, no aftermarket for this product

OMC V8 FORD 302 / 351 CENTER STYLE 1991& NEWER





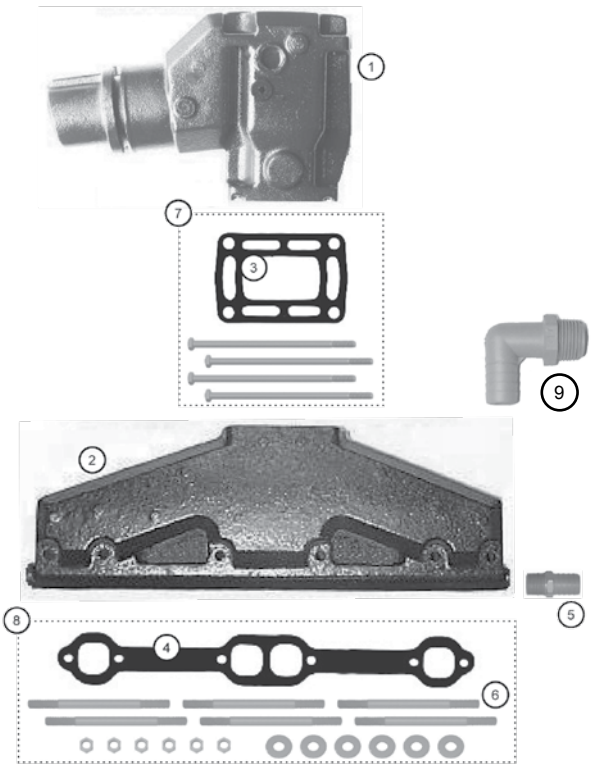


Ref#	Part#	Description:
1	OMC-20-913784	Port / Starboard riser
2	OMC-1-3852347	Port / Starboard manifold
3	OSC50456-G	Riser to manifold gasket
4	CHVA-47-0000	Manifold to head gasket
5	FAS91050	3/8-16 x 3-1/2" Hex bolt
6	3853434	Stud, requires 3/8-24 nut
7	18-0549	1" Rubber cap
8	50-512-017	Barb, 1/2" MPT x 1" hose

MARINE MANIFOLDS & RISERS

OMC / VOLVO CENTER STYLE GM SMALL BLOCK V8 305 - 350 CU.IN.

1989 & NEWER



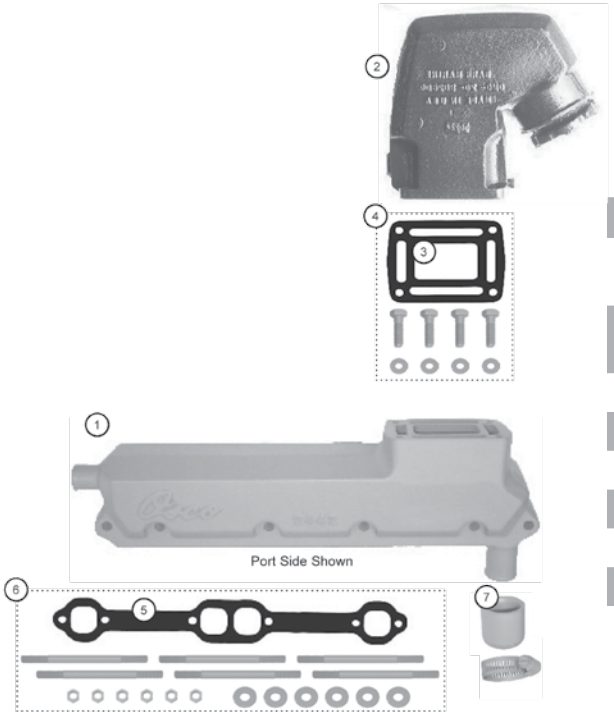
Ref#	Part#	Description:
1	OMC-20-913784	Exhaust Riser
2	OMC-1-914035	Manifold w/ threaded end
3	OSC50456-G	Gasket, riser to manifold
4	CHV-47-0000	Gasket, Manifold to head
5	50-512-017	Hose barb, 1/2" MPT x 1" hose
6	3853434	Stud, requires 3/8-24 machine nuts
7	OSC50456-MK	Riser mounting kit
8	OSC244-MK	Manifold mounting kit
9	MID32-313	1/2" MPT x 3/4" hose, 90º

EXTRA TALL CENTER STYLE RISER

Part#
3862627
Description:
11-1/2" Height, check your application, only made by Volvo-Penta, Volvo-Penta part # 3862627, no aftermarket for this product

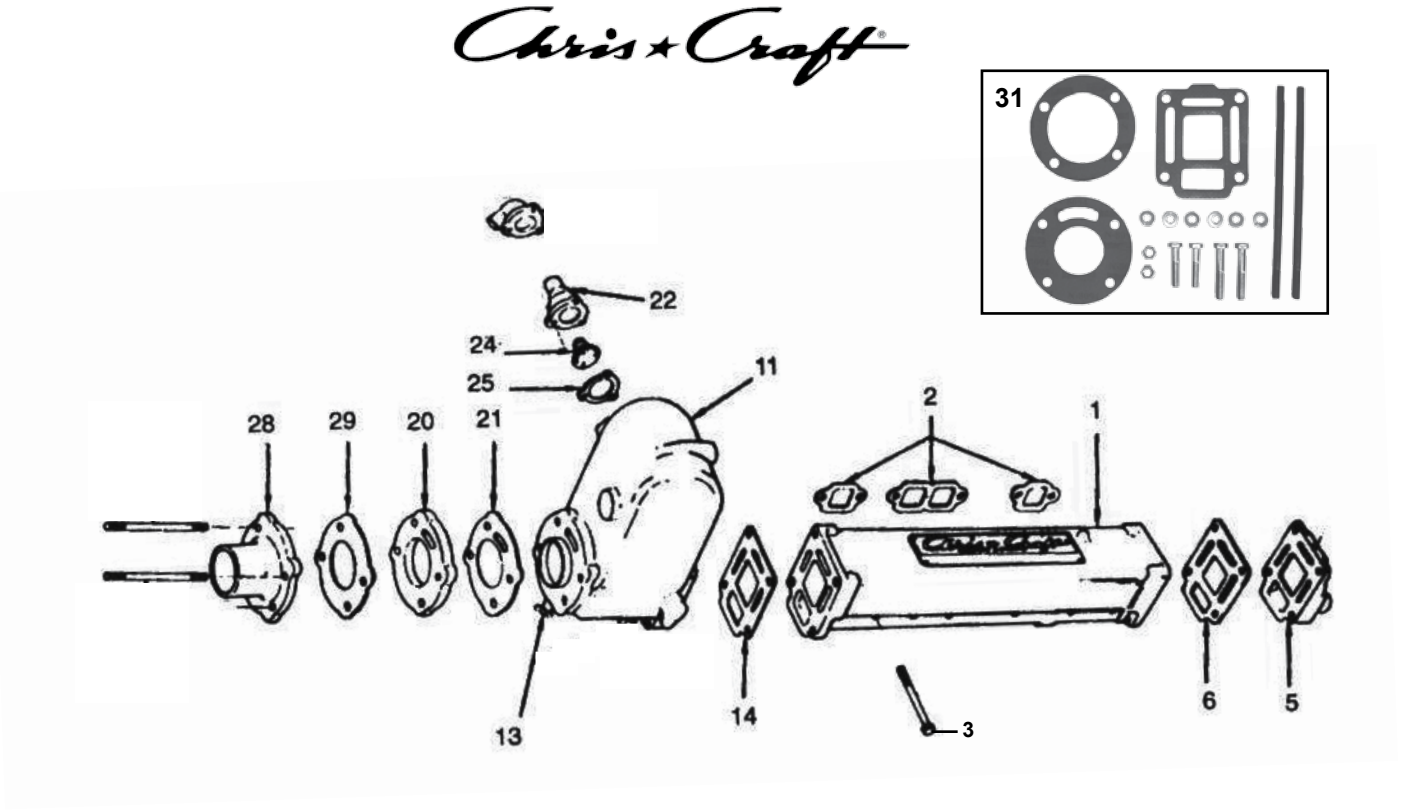
OMC V8 SMALL BLOCK GM END EXHAUST 1984 TO 1987 FOR 283, 305, 307, & 350 cu. in. 1979 to 1988

models 185, 200, 225, 230, 260 hp, & Cobra



Ref#	Part#	Description:
1	(osco) OSC2442 (barr) OMC-1-912442	Port side manifold w/ hose cap
1a	(osco) OSC2441 (barr) OMC-1-912441	Starboard side manifold w/ hose cap
2	OMC-20-982680	Exhaust riser
3	18-0943	Riser to manifold gasket
4	OSC9863-MK	Riser mounting kit
5	CHV-47-0000	Manifold to head gasket
6	OSC244-MK	Manifold mounting kit
7	18-0550	1-1/4" rubber hose cap w/ clamp

CHRIS CRAFT V8 283, 302, 305, 307, 327 & 350cu. in., ALL MODELS



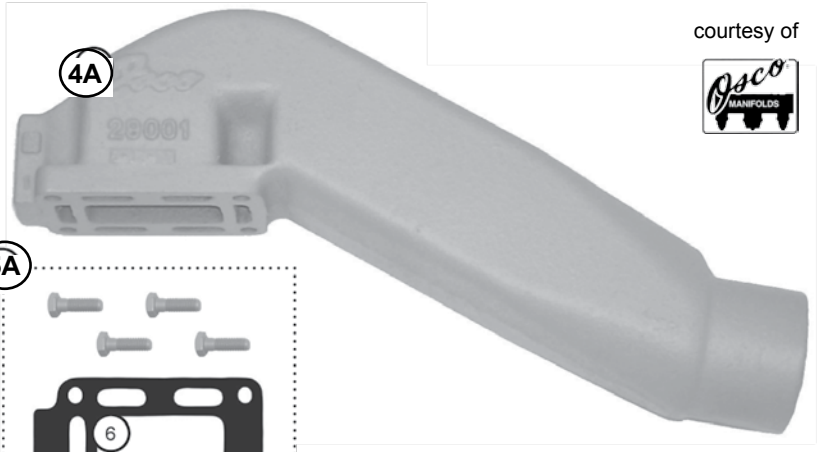
Ref#	Part#	Description:
1	OSC7056	Manifold
2	CHV-47-0000	Gasket
2 & 3	OSC7056-MK	Manifold mounting kit
6	FI5005944	Gasket
11	CC-20-08288	Port riser
11	CC-20-08289	Starboard riser
13	MID46-081	“T”- handle drain plug
14	FI5005944	Gasket
20	CC-20-07593	Deflector
21	FI5007596	Gasket
22	FI2207532	Housing
24	BJM9907346	Valve
25	FI5007290	Gasket
28	CC-20-07605	Exhaust Connector
29	FI5007597	Gasket
30	FI3000449	Hex cap bolt, lower riser to manifold
31	CC-20-0828P	Riser Mounting kit #’s 14, 16, 21, 29, 30

MARINE MANIFOLDS & RISERS

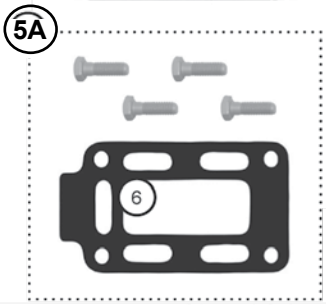
PLEASURECRAFT FORD SMALL BLOCK V8 302 - 351 CU.IN.

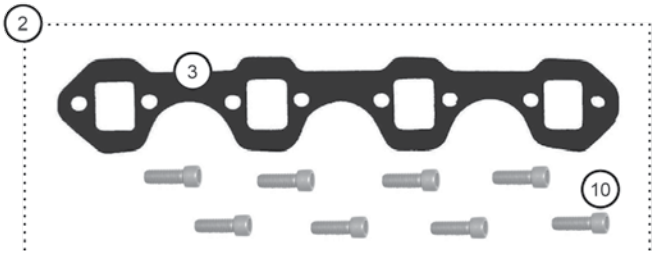
Necessary pipe plugs are included.

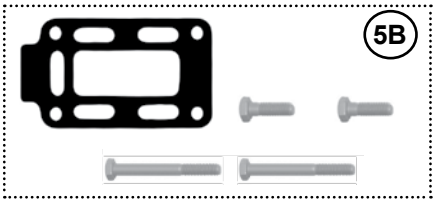
courtesy of



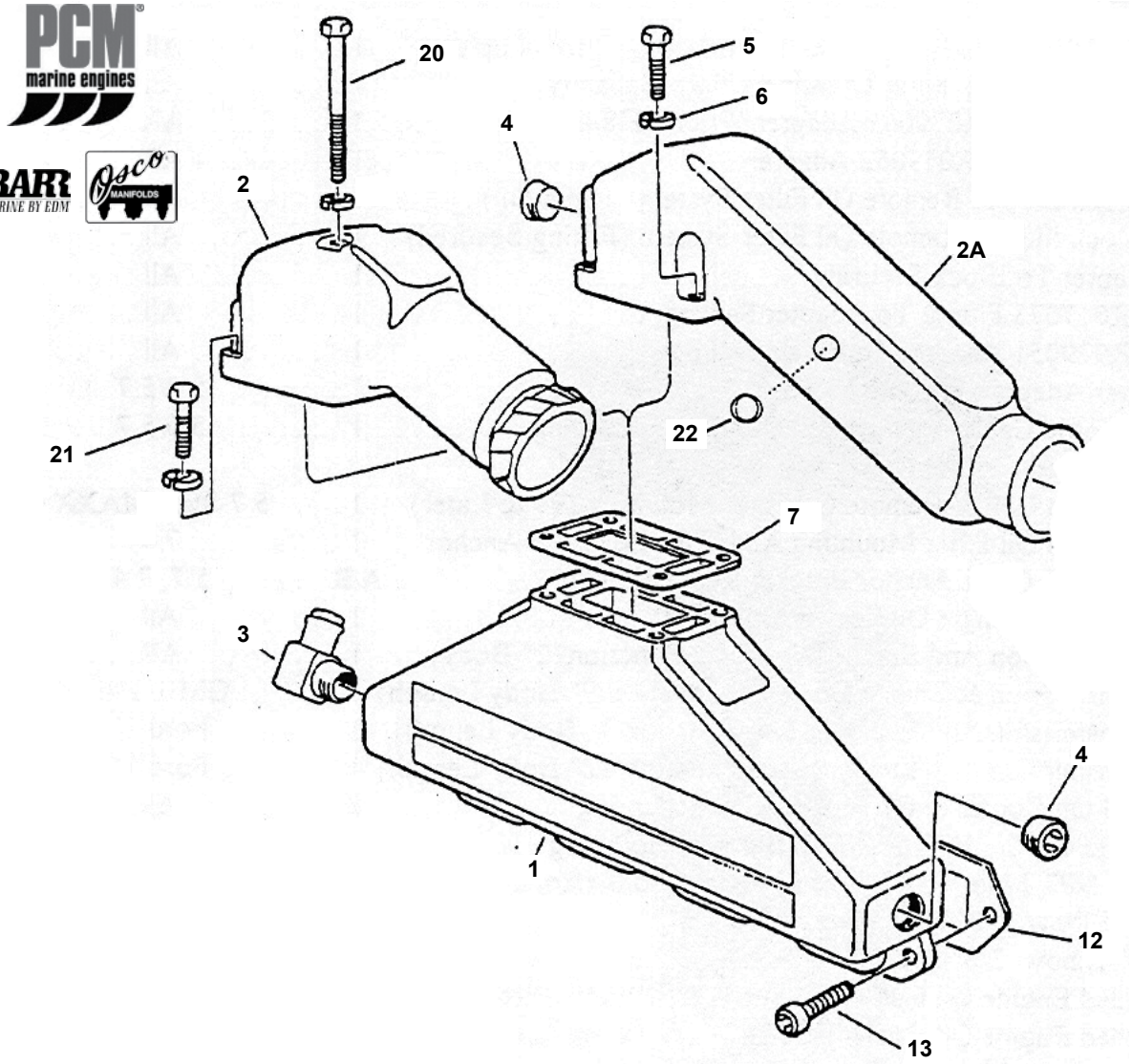
IMPORTANT NOTE ABOUT M0002 RISER GASKET: This manifold is used on both sides of the engine; therefore the installer must place the tab of the gasket to the front of the riser, away from the outlet end of the riser, as shown at the right. This forces the water to flow over the top of the riser for maximum cooling.







Ref#	Part#	Description:
1	**OSC28001**	Manifold. Fits 302 and 351 cu.in. Ford small block V8 engines. Replaces Pleasurecraft # RO28001. Fits both sides of the engine
2	**OSC28001-MK**	Mounting Kit, manifold
3	**OSCFL-GH**	Gasket, manifold to cylinder head
4A	**OSC29001***	Riser, 3" outlet. Replaces Pleasurecraft # RO29001
5A	**OSC29001-MK**	Mounting Kit, riser. Includes M0002 gasket and mounting hardware, 3” exhaust
4B	**OSC29011**	Riser, 3-1/2" outlet, exhaust, replaces pleasurecraft #R029011
5B	**OSC29011-MK**	Mounting kit, for riser OSC29011, 3-1/2” exhaust
6	**OSCM0002**	Gasket, riser to manifold
7	**OSCF68C9**	Water Fitting, 90º elbow. 3/4" MPT x 1" hose barb.
8	**OSCF68CS**	Water Fitting, straight. 3/4" MPT x 1" hose barb.
9	**MID32-023**	Water Fitting, straight. 3/4" MPT x 3/4" hose barb.
10	**RS3945**	Hex socket bolt, qty 8 per manifold



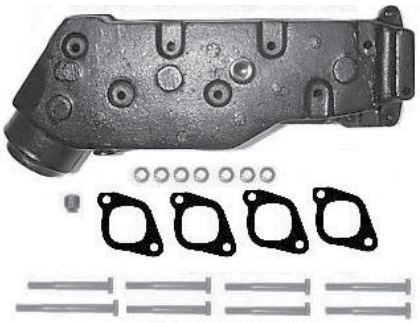
Ref#	Part#	Description:
1	R028009	GM Small block manifold
2A	OSC29001	Riser, 3” exhaust outlet GM
***	OSC29001-MK	3” Riser mounting kit, includes Gaskets & bolts
2	OSC29011	Riser, 3-1/2” exhaust outlet GM
***	OSC29011-MK	3-1/2” Riser mounting kit, includes Gaskets & bolts
3	OSCF68C9	Water fitting, 3/4 pipe x 1” hose 90°
3	MID32-024	Water fitting, 3/4” pipe x 1” hose
4	MID67-634	Pipe plug, 3/4” steel
5	RS0283	Bolt, Riser to manifold
7	RM0002	Gasket, Riser to manifold
12	CHV-47-0000	Gasket, Manifold to head
13	RS0313	Bolt, Manifold mounting, qty. 6 per manifold
20	RS0387	5/16”-18 X 5-1/4”
21	RS0285	5/16”-18 X 1-3/4”

MARINE MANIFOLDS & RISERS

VOLVO PENTA MANIFOLDS & ONAN / WESTERBEKE ELBOWS

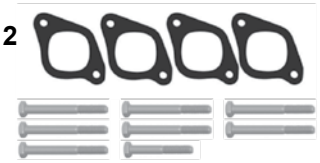
VOLVO PENTA 4 CYLINDER MODELS AQ 120B, 125A, 140A, 145A
LOG STYLE DIRECT REPLACEMENT

BARR MARINE BY EDM



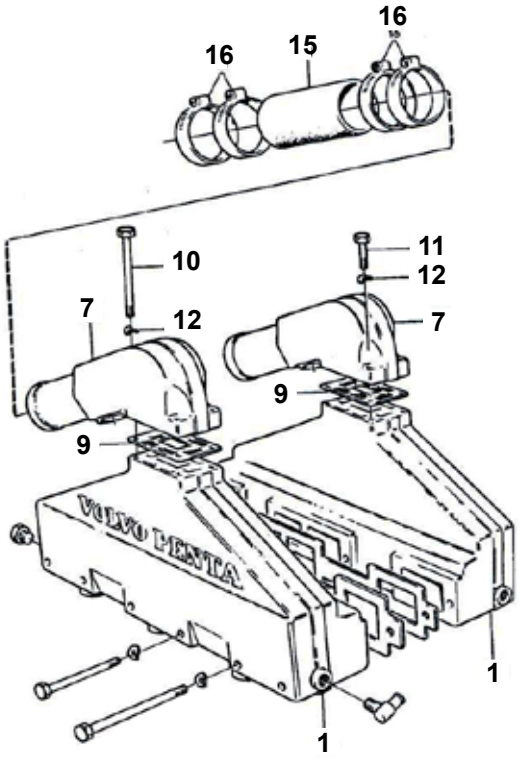
Part#
VO-1-855387
Description:
Direct replacment exhaust manifold, replaces Volvo # 855377-7 & 834438-4

Osco MANIFOLDS



Part#
OSCVO-GH
Description:
(1) Manifold to cylinder head gasket, 4 pieces

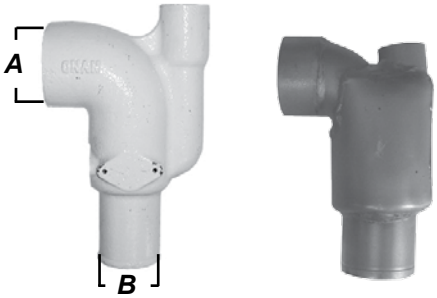
Part#
OSCVO-MK
Description:
(2) Manifold to cylinder head mounting kit



VOLVO PENTA V6 4.3L CHEVY
PRIOR TO 1994

VOLVO PENTA · Sierra · Osco MANIFOLDS

Ref#	Part#	Description:
1	18-1932	Manifold, replaces OEM# 856894
7	18-1936	Exhaust riser, replaces OEM# 857037
9	OSC35908	Riser Gasket
10	959796	Long riser bolt
11	940136	Short riser bolt
12	18-4236	Wave washer
15	BJM2766	Riser hump hose, 6-1/2" L
16	620-064	Hose clamp



WATER COOLED 90° ELBOW FOR
GENERATOR & INBOARD APPLICATIONS

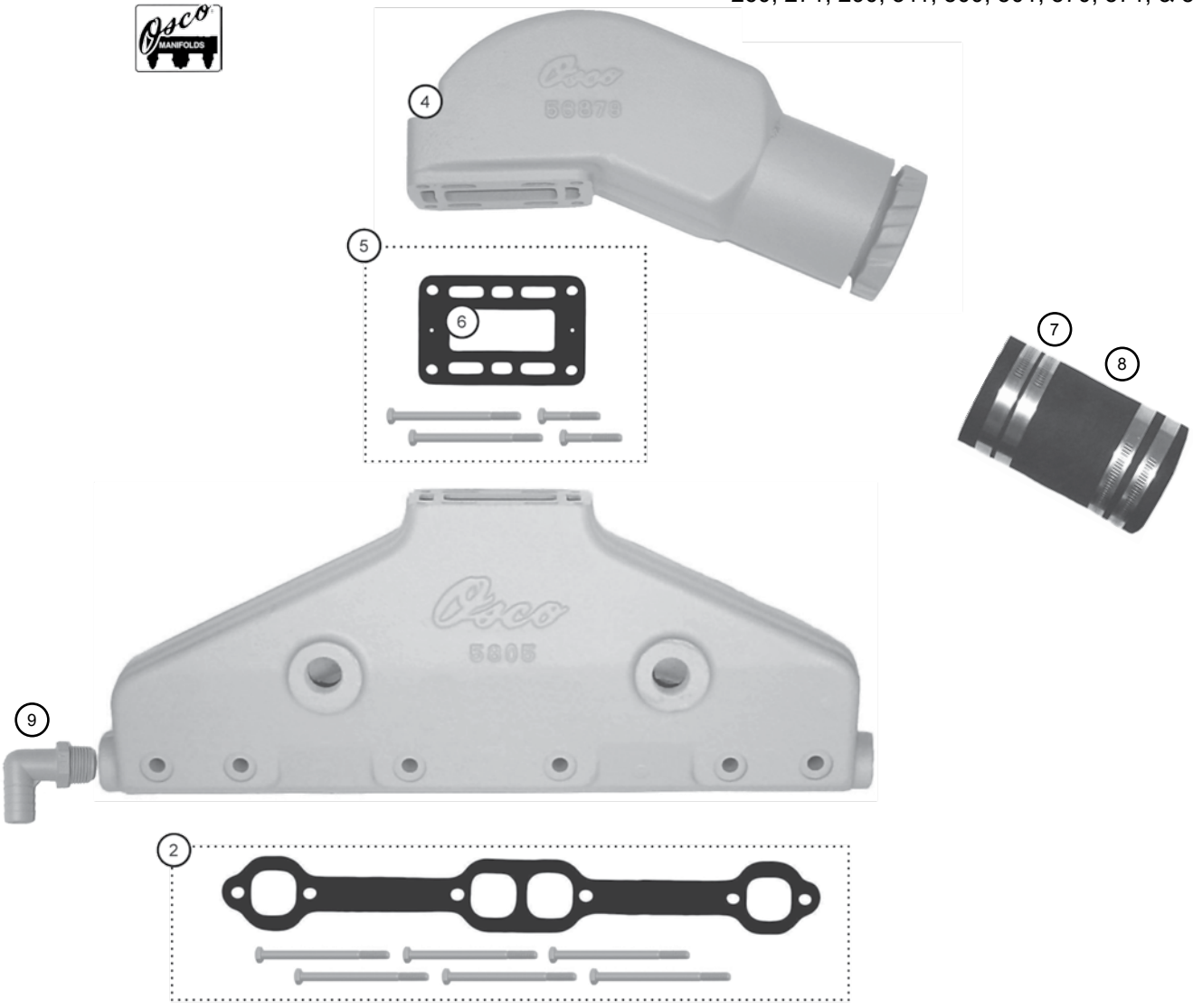
WESTERBEKE Marine Products

Onan

Part #	"A" Female Pipe:	"B" Hose:	Material:
155-1058	1-1/4"	1-3/4"	Cast iron
W33067	1-1/2"	2"	Stainless Steel

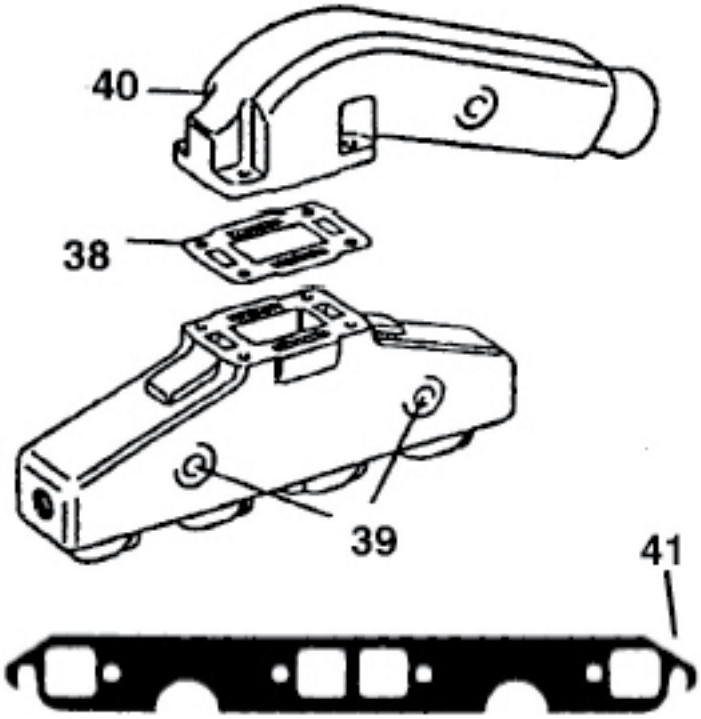
courtesy of

Model #'s AQ & BB 200, 205, 211, 231, 225, 260, 271, 290, 311, 500, 501, 570, 571, & 572



Ref#	Part#	Description:
1	OSC5805	Manifold. Fits 305 - 350 cu.in. Replaces Volvo #'s 835804, 835805, 835806 & 856883. Fits both sides of engine
2	OSC5805-MK	Mounting Kit, manifold
3	OSCCV-GH	Gasket, manifold to cylinder head
4	OSC56879	Riser, 95mm (3¾") exhaust outlet, 30º down angle. Replaces Volvo #'s 855380, 855384, 856891, and 856879
5	OSC56879-MK	Mounting Kit, riser
6	OSC35908	Gasket, riser to manifold
7	620-064	Hose clamps
8	BJM2766	Exhaust hump hose, 6-1/2" L, I/O applications
9	MID32-313	Manifold hose barb, 90º

Indmar



THE PICTURE IS NOT AN ACCURATE REPRESENTATION OF THE ACTUAL PRODUCT

CHEVY 305, 350

Ref#	Part#	Description:
38	IND53-2010	RWC Riser Gasket
38	1-0104PKG	FWC block off kit
39	CHV-1-83	Manifold replaces 53-1027
40	IND53-2018	Riser, 3” outlet
40	IND53-2028	Riser, 3-1/2” outlet
41	CHV-47-0000	Manifold to head gasket

CHEVY 454

Ref#	Part#	Description:
38	IND53-1017	RWC Riser Gasket
38	IND98-5003	Stainless block off plate, use w/ 2 gskt. IND53-1017
39	INDS53-1078	Manifold, aluminum
40	INDS53-1077-FW	Riser, 4” outlet, aluminum
41	CHVA-47-0000	Manifold to head gasket

FORD 302, 351

Ref#	Part#	Description:
38	IND53-2010	RWC Riser Gasket
38	1-0104PKG	FWC block off kit
39	FM-1-83	Manifold replaces 53-2008
40	IND53-2018	Riser, 3” outlet
40	IND53-2028	Riser, 3-1/2” outlet
41	FM-47-0000	Manifold to head gasket